



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 143934

To: Claire Kaufman
Location: REM-4E85&4C70
Art Unit: 1646
Tuesday, February 22, 2005

Case Serial Number: 09/063778

From: Beverly Shears
Location: Remsen Bldg.
RM 1A54
Phone: 571-272-2528

beverly.shears@uspto.gov

Search Notes

4/22/98 = SEQ ID NO: 3 = ^{native} ~~full~~ - length
4/25/97 - SEQ ID NO: 1 = 19KD fragment
NO: 2 = ~~native~~ Full-length

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: February 21, 2005, 09:21:54 ; Search time 337 Seconds
(without alignments)
9260.362 Million cell updates/sec

Title: US-09-063-778-4
Perfect score: 528
Sequence: 1 TGGGGGCGGGCGGGCGGCC.....TGGCGGTCGCGGCGGGCGGC 528

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 5384158 seqs, 2955248155 residues

Total number of hits satisfying chosen parameters: 10768316

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database:

Published Applications NA:
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2: /cgn2_6/ptodata/1/pubpna/PTCTUS_PUBCOMB.seq:*
3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
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22: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	528	100.0	528	US-10-147-463-4	Sequence 4, Appl1
2	528	100.0	548	US-10-147-463-7	Sequence 7, Appl1
3	528	100.0	602	US-10-147-463-8	Sequence 8, Appl1
4	528	100.0	1122	US-10-147-463-5	Sequence 5, Appl1
5	528	100.0	1188	US-10-147-463-6	Sequence 6, Appl1
6	523.2	99.1	528	US-09-883-848A-27	Sequence 27, Appl1
7	523.2	99.1	1191	US-10-275-107-5	Sequence 5, Appl1
8	522.8	99.0	1820	US-09-244-466-1	Sequence 1, Appl1
9	520	98.5	1190	US-09-151-999-8	Sequence 8, Appl1
10	520	98.5	1190	US-09-187-387-8	Sequence 8, Appl1
11	520	98.5	1190	US-09-827-110-8	Sequence 8, Appl1

12	520	98.5	1190	US-09-238-243-8	Sequence 8, Appl1
13	520	98.5	1190	US-10-294-036-8	Sequence 8, Appl1
14	520	98.5	1190	US-10-727-195-8	Sequence 8, Appl1
15	520	98.5	1190	US-10-665-923-8	Sequence 8, Appl1
16	520	98.5	1191	US-08-900-220C-8	Sequence 8, Appl1
17	520	98.5	1191	US-09-883-848A-8	Sequence 8, Appl1
18	520	98.5	1191	US-09-845-025C-8	Sequence 8, Appl1
19	520	98.5	1191	US-09-451-935-8	Sequence 8, Appl1
20	520	98.5	1191	US-09-795-917-8	Sequence 8, Appl1
21	520	98.5	1191	US-10-244-095A-8	Sequence 8, Appl1
22	520	98.5	1191	US-10-652-298A-8	Sequence 8, Appl1
23	444.8	84.2	1190	US-08-900-220C-2	Sequence 2, Appl1
24	444.8	84.2	1190	US-08-954-771-2	Sequence 2, Appl1
25	444.8	84.2	1190	US-08-462-386D-2	Sequence 2, Appl1
26	444.8	84.2	1190	US-09-151-999-2	Sequence 2, Appl1
27	444.8	84.2	1190	US-09-883-848A-2	Sequence 2, Appl1
28	444.8	84.2	1190	US-09-187-387-2	Sequence 2, Appl1
29	444.8	84.2	1190	US-09-827-110-2	Sequence 2, Appl1
30	444.8	84.2	1190	US-09-451-935-2	Sequence 2, Appl1
31	444.8	84.2	1190	US-09-451-935-2	Sequence 2, Appl1
32	444.8	84.2	1190	US-09-238-243-2	Sequence 2, Appl1
33	444.8	84.2	1190	US-09-736-476-2	Sequence 2, Appl1
34	444.8	84.2	1190	US-09-795-917-2	Sequence 2, Appl1
35	444.8	84.2	1190	US-10-294-036-2	Sequence 2, Appl1
36	444.8	84.2	1190	US-10-244-095A-2	Sequence 2, Appl1
37	444.8	84.2	1190	US-10-652-298A-2	Sequence 2, Appl1
38	444.8	84.2	1190	US-10-727-195-2	Sequence 2, Appl1
39	444.8	84.2	1190	US-10-665-923-2	Sequence 2, Appl1
40	444.8	84.2	1190	US-10-647-654-2	Sequence 2, Appl1
41	444.8	84.2	1190	US-10-835-517-2	Sequence 2, Appl1
42	444.8	84.2	1191	US-09-021-660A-28	Sequence 28, Appl1
43	444.8	84.2	1191	US-09-733-634-21	Sequence 21, Appl1
44	444.8	84.2	1191	US-10-456-954-13	Sequence 13, Appl1
45	444.8	84.2	1191	US-10-414-267-13	Sequence 13, Appl1

ALIGNMENTS

RESULT 1
US-10-147-463-4
; Sequence 4, Application US/10147463
; Publication No. US20030059838A1
; GENERAL INFORMATION:
; APPLICANT: ARIYASU, Toshio
; NAKAMURA, Shuji
; ORITA, Kunzo
; TITLE OF INVENTION: HEDGEHOG PROTEIN
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street N.W., Ste. 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: United States of America
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/147,463
; FILING DATE: 17-May-2002
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/617,545
; FILING DATE: 14-Jul-2000
; APPLICATION NUMBER: 09/063,778
; FILING DATE: <Unknown>
; APPLICATION NUMBER: JP 98-
; FILING DATE: 14-APR-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Browdy, Roger L.

Db 379 GAAGCCGCTGTTGACATCACTGACCGGACGCAAGATATGAGTGTGCTG 438
Qy 421 GCGGCGCTCGAGTGAAGCCGGCTTGACTGAGTCTACTAGTATCCCGCAACCATC 480
Db 439 GCGGCGCTCGAGTGAAGCCGGCTTGACTGAGTCTACTAGTATCCCGCAACCATC 498
Qy 481 CACGTGTGCTGAAGCTGATTAATCACTGCGGCTCCGGCGGCGGCGC 528
Db 499 CACGTGTGCTGAAGCTGATTAATCACTGCGGCTCCGGCGGCGGCGC 546

RESULT 3

US-10-147-463-8
; Sequence 8, Application US/10147463
; Publication No. US20030059838A1
; GENERAL INFORMATION:
; APPLICANT: ARIYASU, Toshio
; NAKAMURA, Shuji
; ORITA, Kunzo
; TITLE OF INVENTION: HEDGEHOG PROTEIN
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street N.W., Ste. 300
; City: Washington
; STATE: D.C.
; COUNTRY: United States of America
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/147,463
; FILING DATE: 17-May-2002
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/617,545
; FILING DATE: 14-Jul-2000
; APPLICATION NUMBER: 09/063,778
; FILING DATE: <Unknown>
; APPLICATION NUMBER: JP 98-
; FILING DATE: 14-APR-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Browdy, Roger L.
; REGISTRATION NUMBER: 25,618
; REFERENCE/DOCKET NUMBER: ARIYASU=1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 628-5197
; TELEFAX: (202) 737-35281
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 602 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; ORIGINAL SOURCE:
; ORGANISM: human
; INDIVIDUAL ISOLATE: ARH-77, ATCC CRL-1621
; FEATURE:
; NAME/KEY: s1g peptide
; LOCATION: 1..6
; IDENTIFICATION METHOD: S
; SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-10-147-463-8

Query Match 100.0%; Score 528; DB 14; Length 602;
Best Local Similarity 100.0%; Pred. No. 1,2e-143;
Matches 528; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 73 TGCGGCGCTCGAGTGAAGCCGGCTTGACTGAGTCTACTAGTATCCCGCAACCATC 132
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Db 133 CTAAGTGAAGCAATTTGATGCGCGGCTGCAAGAGCGGACCTTGAGCGGCAAGTGGCCA 192
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Db 193 GCGGAGGAGGAGTGGCAAGGAGCTTCGAGCGCTTCGAGGAGCTTGAGGAGGAGGAGG 252
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Qy 301 CTAAGTGAAGTGAAGGCTGGAG 360
Db 373 CTAAGTGAAGTGAAGGCTGGAG 432
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Db 433 GAAGCGCGCTGTTGACATCACTAGTCTGAGCCGCAAGGAGGAGGAGGAGGAGGAGGAGG 492
Qy 421 GCGGCGCTCGAGTGAAGCCGGCTTGACTGAGGAGTCTACTAGTATCCCGCAACCATC 480
Db 493 GCGGCGCTCGAGTGAAGCCGGCTTGACTGAGGAGTCTACTAGTATCCCGCAACCATC 552
Qy 481 CACGTGTGCTGAAGCTGATTAATCACTGCGGCTCCGGCGGCGGCGC 528
Db 553 CACGTGTGCTGAAGCTGATTAATCACTGCGGCTCCGGCGGCGGCGC 600

RESULT 4

US-10-147-463-5
; Sequence 5, Application US/10147463
; Publication No. US20030059838A1
; GENERAL INFORMATION:
; APPLICANT: ARIYASU, Toshio
; NAKAMURA, Shuji
; ORITA, Kunzo
; TITLE OF INVENTION: HEDGEHOG PROTEIN
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street N.W., Ste. 300
; City: Washington
; STATE: D.C.
; COUNTRY: United States of America
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/147,463
; FILING DATE: 17-May-2002
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/617,545
; FILING DATE: 14-Jul-2000
; APPLICATION NUMBER: 09/063,778
; FILING DATE: <Unknown>
; APPLICATION NUMBER: JP 98-
; FILING DATE: 14-APR-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Browdy, Roger L.
; REGISTRATION NUMBER: 25,618
; REFERENCE/DOCKET NUMBER: ARIYASU=1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 628-5197

SEQ ID NO 1
LENGTH: 1820
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (180)..(1367)
FEATURES:
OTHER INFORMATION: Xaa at position 87 is Phe.
US-09-244-466-1

Query Match 99.0%; Score 522.8; DB 9; Length 1820;
Best Local Similarity 99.2%; Pred. No. 4,4e-142;
Matches 524; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

1 TGGGGGCGGGGCGGGGCGGGTGGCGGGGCGGCTATGCGGCGCAAGAGCTGTGCGG 60
246 TGGGGGCGGGGCGGGGCGGGTGGCGGGGCGGCTATGCGGCGCAAGAGCTGTGCGG 305
61 CTACTCTACAAGCAATTGTGCGGGCGGTGCGAGCGGAGCCCTGGGCGGCAAGTGGCCA 120
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366 GCGGAGGGGAGGGTGGCAAGGGGCTCCGAGCGCTTCGGGAGCTCTGTGCGCACTAAC 425
181 CCCGACATCATCTTCAAGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 240
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301 CTACAGATGATGAGAGGGGTGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 360
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361 GAAGGCGGCTCTTTGGACATCACTACGTGTGACCGGAGCGGCAAGATGAGGTTGCTG 420
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421 GCGGCGCTGCGAGTGAAGCGGCTTGACTGGGTCTACTAGAGTCCGCAACCAACATC 480
666 GCGGCGCTGCGAGTGAAGCGGCTTGACTGGGTCTACTAGAGTCCGCAACCAACATC 725
481 CACGTGTGCGTCAAAAGCTGATACTCACTGGCGGTCCGGGCGGGCGGC 528
726 CACGTGTGCGTCAAAAGCTGATACTCACTGGCGGTCCGGGCGGGCGGC 773

RESULT 9
US-09-151-999-8
Sequence 8, Application US/09151999
Patent No. US20020151460A1
GENERAL INFORMATION:
APPLICANT: Wang, Elizabeth
TITLE OF INVENTION: REGULATION OF EPITHELIAL TISSUE BY HEDGEHOG-LIKE
FILE REFERENCE: ONV-031.02
CURRENT APPLICATION NUMBER: US/09/151.999
EARLIER FILING DATE: 1998-08-11
EARLIER APPLICATION NUMBER: 08/955,552
EARLIER FILING DATE: 1997-10-20
NUMBER OF SEQ ID NOS: 28
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 8
LENGTH: 1190
TYPE: DNA
ORGANISM: Homo sapiens Dhh
FEATURE:

NAME/KEY: CDS
LOCATION: (1)..(1188)
US-09-151-999-8

Query Match 98.5%; Score 520; DB 9; Length 1190;
Best Local Similarity 99.1%; Pred. No. 2.7e-141;
Matches 523; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

1 TGGGGGCGGGGCGGGGCGGGTGGCGGGGCGGCTATGCGGCGCAAGAGCTGTGCGG 60
67 TGGGGGCGGGGCGGGGCGGGTGGCGGGGCGGCTATGCGGCGCAAGAGCTGTGCGG 126
61 CTACTCTACAAGCAATTGTGCGGGCGGTGCGAGCGGAGCCCTGGGCGGCAAGTGGCCA 120
127 CTACTCTACAAGCAATTGTGCGGGCGGTGCGAGCGGAGCCCTGGGCGGCAAGTGGCCA 186
121 GCGGAGGGGAGGGTGGCAAGGGGCTCCGAGCGCTTCGGGAGCTCTGTGCGCACTAAC 180
187 GCGGAGGGGAGGGTGGCAAGGGGCTCCGAGCGCTTCGGGAGCTCTGTGCGCACTAAC 246
181 CCCGACATCATCTTCAAGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 240
247 CCCGACATCATCTTCAAGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 306
241 TGTAAAGAGAGGGGTGAACGCTTTGGCCATTGCCGTGATGAACATGTGGCCCGAGTGGC 300
307 TGTAAAGAGAGGGGTGAACGCTTTGGCCATTGCCGTGATGAACATGTGGCCCGAGTGGC 366
301 CTACAGATGATGAGAGGGGTGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 360
367 CTACAGATGATGAGAGGGGTGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 426
361 GAAGGCGGCTCTTTGGACATCACTACGTGTGACCGGAGCGGCAAGATGAGGTTGCTG 420
427 GAAGGCGGCTCTTTGGACATCACTACGTGTGACCGGAGCGGCAAGATGAGGTTGCTG 486
421 GCGGCGCTGCGAGTGAAGCGGCTTGACTGGGTCTACTAGAGTCCGCAACCAACATC 480
487 GCGGCGCTGCGAGTGAAGCGGCTTGACTGGGTCTACTAGAGTCCGCAACCAACATC 546
481 CACGTGTGCGTCAAAAGCTGATACTCACTGGCGGTCCGGGCGGGCGGC 528
547 CACGTGTGCGTCAAAAGCTGATACTCACTGGCGGTCCGGGCGGGCGGC 594

RESULT 10
US-09-187-387-8
Sequence 8, Application US/09187387
Publication No. US20030083242A1
GENERAL INFORMATION:
APPLICANT: Galdeas, Alphonse
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING OR PREVENTING
FILE REFERENCE: ONV-052.01
CURRENT APPLICATION NUMBER: US/09/187,387
EARLIER FILING DATE: 1998-11-06
NUMBER OF SEQ ID NOS: 28
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 8
LENGTH: 1190
TYPE: DNA
ORGANISM: human Dhh
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(1188)
US-09-187-387-8

Query Match 98.5%; Score 520; DB 10; Length 1190;
Best Local Similarity 99.1%; Pred. No. 2.7e-141;
Matches 523; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
1 TGGGGGCGGGGCGGGGCGGGTGGCGGGGCGGCTATGCGGCGCAAGAGCTGTGCGG 60

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OY	61	CTACTCTACAAAGCAATTTGTGCTCCGCGCTGCGCAGACCGGACCTTGCGGCGCAGTGGGCCA	120
Db	127	CTACTCTACAAAGCAATTTGTGCTCCGCGCGTGCAGAGACGGACCTTGCGGCGCAGTGGGCCA	186
OY	121	GCGAGGGGGAGGGGTGGCAAGGGGGCTCCAGAGCGCTTCCGGGAACCTGTGTGCCCACTACAC	180
Db	187	GCGAGGGGGAGGGGTGGCAAGGGGGCTCCAGAGCGCTTCCGGGAACCTGTGTGCCCACTACAC	246
OY	181	CCCGACATCATCTTCAAGGATGAGGAGAAcAGTGGAGCGGACCGGCTGTATGACCGAACGT	240
Db	247	CCCGACATCATCTTCAAGGATGAGGAGAAcAGTGGAGCGGACCGGCTGTATGACCGAACGT	306
OY	241	TGTAAAGAAcCGGGTGAACGGCTTTGGCCATTGCGGTGATGAACATGTGGCGCCGGAGTGCGC	300
Db	307	TGCAAGGAGAGGGGTGAACGGCTTTGGCCATTGCGGTGATGAACATGTGGCGCCGGAGTGCGC	366
OY	301	CTACGAGTGACTGAGAGGCGCTGGGACGAGGACCGGCGCACACGCTCAAGATTCACTCCACATAC	360
Db	367	CTACGAGTGACTGAGAGGCGCTGGGACGAGGACCGGCGCACACGCTCAAGATTCACTCCACATAC	426
OY	361	GAAGGCGCTGTCTTGGACATCACTACGTCTGAACCGCGACCGCAACAAGTATGGTTGCTG	420
Db	427	GAAGGCGCTGTCTTGGACATCACTACGTCTGAACCGCGACCGCAACAAGTATGGTTGCTG	486
OY	421	GCGGCGCTCGCAGTGGAAGCCGGGCTTGCATCTGGGTCTACTACAGTCCCGCAACCAATC	480
Db	487	GCGGCGCTCGCAGTGGAAGCCGGGCTTGCATCTGGGTCTACTACAGTCCCGCAACCAATC	546
OY	481	CACGGTTCGGTCAAAAGCTGATACCTCACTGGGCGGTCCGGGCGGGGGCGG	528
Db	547	CACGGTTCGGTCAAAAGCTGATACCTCACTGGGCGGTCCGGGCGGGGGCGG	594

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RESULT 11
US-09-827-110-8
; Sequence 8, Application US/09827110
; Publication No. US20030104970A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Elizabeth
; TITLE OF INVENTION: REGULATION OF EPITHELIAL TISSUE BY HEDGEHOG-LIKE
; TITLE OF INVENTION: POLYPEPTIDES, AND FORMULATIONS AND USES RELATED THERETO
; FILE REFERENCE: ONV-031.02
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: 08/955,552
; PRIOR FILING DATE: 1997-10-20
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 1190
; TYPE: DNA
; ORGANISM: Homo sapien Dh
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1188)
US-09-827-110-8

Query Match          98.5%; Score 520; DB 10; Length 1190;
Best Local Similarity 99.1%; Pred. No. 2.7e-14;
Matches 523; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy      1 TGCGGGGCGGGGCGGGGCGGTGGCCGCGCGCTATGGCGGCAGACGACTGTGCCG 60
Db      67 TCGGGGCGGGGCGGGGCGGGGCGGTGGCCGCGCGCTATGGCGGCAGACGACTGTGCCG 125

Qy      61 CTACTTACAAGCAATTGTGTCCCGGCGTGCCAGAGCGAACCTTGTGGCGCAGTGGCCA 120
        |||||
Db      127 CTACTTACAAGCAATTGTGTCCCGGCGTGCCAGAGCGAACCTTGTGGCGCAGTGGCCA 186

Qy      121 GCGAGGGGAGGGGTGGCAAGGGGCTCCGAGCGCTTCGGGGAAGCTGTGCCCACTACAAC 180

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Db	187	GCGAGGGGAGGGGTGGCAAGGGGGCTTCCGAGCGCTTCCGGGACCTCGTGCCCAACTACAC	246
Qy	181	CCCGACATCATCTTCAAGGATGAGGAACTGTGAGCCGACCGCCTGTATGACCGAAGT	240
Db	247	CCCGACATCATCTTCAAGGATGAGGAACTGTGAGCCGACCGCCTGTATGACCGAAGCT	306
Qy	241	TGTAGGAACGGGTGAACGGCTTTGGCCATTGCGTGTATGAACATGTGGCCCGGAGTGGCG	300
Db	307	TGCAAGAGAGAGGGTGAAAGCTTTGGCCATTGCGTGTATGAACATGTGGCCCGGAGTGGCG	366
Qy	301	CTACGAGTGACTGAGGGCTGGGACGAGGACGAGGACCAACGCTCAAGATTCACTCCACTAC	360
Db	367	CTACGAGTGACTGAGGGCTGGGACGAGGACGAGGACCAACGCTCAAGATTCACTCCACTAC	426
Qy	361	GAAGGCGCGTCTTTGGACATCATCTACGTCTGACCGGACCGGACCAAGATGTGGTGGCTG	420
Db	427	GAAGGCGCGTCTTTGGACATCATCTACGTCTGACCGGACCGGACCAAGATGTGGTGGCTG	486
Qy	421	GCGGCGCTCGAGTGAAGCGCGCTTTCGACTGGGGTCTACTAGAGTCCGGCAACCAATC	480
Db	487	GCGGCGCTCGAGTGAAGCGCGCTTTCGACTGGGGTCTACTAGAGTCCGGCAACCAAGTTC	546
Qy	481	CACGAGTGCATCAAGAGTATTAATCATCTGGGGGTCCGGGCGGGCGGC	528
Db	547	CACGAGTGCATCAAGAGTATTAATCATCTGGGGGTCCGGGCGGGCGGC	594

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RESULT 12
US-09-238-243-8
; Sequence 8, Application US/09238243
; Publication No. US20030162698A1
; GENERAL INFORMATION:
; APPLICANT: Galder, Alphonse
; APPLICANT: Mahenthappa, Nagesh
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING DOPAMINERGIC
; TITLE OF INVENTION: AND GABA-ENERGIC DISORDERS
; FILE REFERENCE: ONV-069.01
; CURRENT APPLICATION NUMBER: US/09/238, 243
; CURRENT FILING DATE: 1999-01-27
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 1190
; TYPE: DNA
; ORGANISM: Homo sapien DhH
; FEATURES:
; NAME/KEY: CDS
; LOCATION: (1)...(1188)
US-09-238-243-8

Query Match          98.5%; Score 520; DB 10; Length 1190;
Best Local Similarity 99.1%; Pred. No. 2,76-141;
Matches 523; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY      1  TGCAGGCGCGAGCGGGGGCGGTTGGCCGCGCGCGCTATGCGCGCAAGCAGCTGTGGCG 60
DB      67  TCGAGGCGGAGCCGGAGGGCCGGTTGGCCGCGCGCGCTATGCGCGCAAGCAGCTGTGGCG 126
QY      61  CTACTTACAAGCAATTTGTGCCCCGGCGTGCAGAGCGGACCCTTGGGCGCAGTGGGCA 120
DB      127  CTACTTACAAGCAATTTGTGCCCCGGCGTGCAGAGCGGACCCTTGGGCGCAGTGGGCA 186
QY      121  GCGAGGGGAGAGGTGTGCAAGGGGCTCCGAGGCGTTCCGGGACCTTCGTGCCCACTACAC 180
DB      187  GCGAGGGGAGAGGTGTGCAAGGGGCTCCGAGGCGTTCCGTGCCCACTACAC 246
QY      181  CCCGACATCATCTTCAAGATGAGAGAGAACAGTGAAGCCGACCCGCTGTATGACCGAAGT 240
DB      247  CCCGACATCATCTTCAAGATGAGAGAGAACAGTGAAGCCGACCCGCTGTATGACCGAAGT 306
QY      241  TGTAAAGAACGGGTGAACGCTTTGGCCATTGCCGTATGAACATGTGGCCCGAAGTGGC 300

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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: February 16, 2005, 12:48:03 ; Search time 129 Seconds
(without alignments)
445.797 Million cell updates/sec

Title: US-09-063-778-1

Perfect score: 937

Sequence: 1 CGPGRGPVGRRRYARKQLVP.....RNHIHVSVKADNSLAVRAG 176

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1376875 seqe, 326749119 residues

Total number of hits satisfying chosen parameters: 1376875

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

1: Published Applications AA:*

2: /cgn2_6/ptodata/2/pubppa/US07_PUBCOMB.pep.*

3: /cgn2_6/ptodata/2/pubppa/PTCT_NEW_PUB.pep.*

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11: /cgn2_6/ptodata/2/pubppa/US09_PUBCOMB.pep.*

12: /cgn2_6/ptodata/2/pubppa/US09_NEW_PUB.pep.*

13: /cgn2_6/ptodata/2/pubppa/US10_PUBCOMB.pep.*

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20: /cgn2_6/ptodata/2/pubppa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	937	100.0	176	US-10-147-463-1	Sequence 1, Appl1
2	937	100.0	374	US-10-147-463-2	Sequence 2, Appl1
3	937	100.0	396	US-10-147-463-3	Sequence 3, Appl1
4	936	99.9	176	US-09-883-848A-25	Sequence 25, Appl1
5	936	99.9	176	US-10-164-282-4	Sequence 4, Appl1
6	936	99.9	176	US-10-294-036-27	Sequence 27, Appl1
7	936	99.9	176	US-10-244-095A-25	Sequence 25, Appl1
8	936	99.9	396	US-08-900-220C-17	Sequence 17, Appl1
9	936	99.9	396	US-09-151-999-17	Sequence 17, Appl1
10	936	99.9	396	US-09-883-848A-17	Sequence 17, Appl1
11	936	99.9	396	US-09-187-387-17	Sequence 17, Appl1
12	936	99.9	396	US-09-827-110-17	Sequence 17, Appl1
13	936	99.9	396	US-09-845-025C-17	Sequence 17, Appl1

14	936	99.9	396	US-09-451-939-17	Sequence 17, Appl1
15	936	99.9	396	US-09-238-243-17	Sequence 17, Appl1
16	936	99.9	396	US-09-795-917-17	Sequence 17, Appl1
17	936	99.9	396	US-10-294-036-17	Sequence 17, Appl1
18	936	99.9	396	US-10-244-095A-17	Sequence 17, Appl1
19	936	99.9	396	US-10-273-107-40	Sequence 40, Appl1
20	936	99.9	396	US-10-652-298A-17	Sequence 17, Appl1
21	936	99.9	396	US-10-727-195-17	Sequence 17, Appl1
22	929	99.1	396	US-09-244-166-2	Sequence 2, Appl1
23	929	98.2	176	US-10-294-036-21	Sequence 21, Appl1
24	929	98.2	396	US-08-900-220C-11	Sequence 11, Appl1
25	929	98.2	396	US-08-954-771-9	Sequence 9, Appl1
26	929	98.2	396	US-08-462-386D-9	Sequence 9, Appl1
27	929	98.2	396	US-09-021-660A-35	Sequence 35, Appl1
28	929	98.2	396	US-09-151-999-11	Sequence 11, Appl1
29	929	98.2	396	US-09-990-046-13	Sequence 13, Appl1
30	929	98.2	396	US-09-733-634-22	Sequence 22, Appl1
31	929	98.2	396	US-09-883-848A-11	Sequence 11, Appl1
32	929	98.2	396	US-09-187-387-11	Sequence 11, Appl1
33	929	98.2	396	US-09-827-110-11	Sequence 11, Appl1
34	929	98.2	396	US-09-845-025C-11	Sequence 11, Appl1
35	929	98.2	396	US-09-451-939-11	Sequence 11, Appl1
36	929	98.2	396	US-09-238-243-11	Sequence 11, Appl1
37	929	98.2	396	US-09-736-476-9	Sequence 9, Appl1
38	929	98.2	396	US-09-795-917-11	Sequence 11, Appl1
39	929	98.2	396	US-10-294-036-11	Sequence 11, Appl1
40	929	98.2	396	US-10-244-095A-11	Sequence 11, Appl1
41	929	98.2	396	US-10-456-954-14	Sequence 14, Appl1
42	929	98.2	396	US-10-414-267-14	Sequence 14, Appl1
43	929	98.2	396	US-10-652-298A-11	Sequence 11, Appl1
44	929	98.2	396	US-10-727-195-11	Sequence 11, Appl1
45	929	98.2	396	US-10-772-090-35	Sequence 35, Appl1

ALIGNMENTS

RESULT 1
US-10-147-463-1
; Sequence 1, Application US/10147463
; Publication No. US20030059838A1

GENERAL INFORMATION:

APPLICANT: ARIYASU, Toshio
NAKAMURA, Shuji

ORITA, Kunzo
TITLE OF INVENTION: HEDGEHOG PROTEIN

NUMBER OF SEQUENCES: 31

CORRESPONDENCE ADDRESS:

ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street N.W., Ste. 300
CITY: Washington

STATE: D.C.

COUNTRY: United States of America

ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/147,463

FILING DATE: 17-May-2002

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/617,545

FILING DATE: 14-Jul-2000

APPLICATION NUMBER: 09/063,778

FILING DATE: <Unknown>

APPLICATION NUMBER: JP 98-

FILING DATE: 14-APR-1998

ATTORNEY/AGENT INFORMATION:

NAME: Browdy, Roger L.

REGISTRATION NUMBER: 25,618

REFERENCE/DOCKET NUMBER: ARIYASU-1

TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-5197
TELEFAX: (202) 737-35281
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 176 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-147-463-1

Query Match 100.0%; Score 937; DB 14; Length 176;
Best Local Similarity 100.0%; Pred. No. 4e-95;
Matches 176; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGRGKGVRRRRYARKQLVPLLYKQVPGVPERTLGASGPAAGRVARGSERFRDLVPPNN 60
DB 1 CGRGKGVRRRRYARKQLVPLLYKQVPGVPERTLGASGPAAGRVARGSERFRDLVPPNN 60
QY 61 PDIIFFDEENSGADRLMTERCKERVNALAIAMNMPGVRLVTEGMDGDGHHADSLHY 120
DB 61 PDIIFFDEENSGADRLMTERCKERVNALAIAMNMPGVRLVTEGMDGDGHHADSLHY 120
QY 121 EGRALDITTSDDRNRKYGLLARLAVAGFDWYYSRNHIHVSVKADNSLAVRAGG 176
DB 121 EGRALDITTSDDRNRKYGLLARLAVAGFDWYYSRNHIHVSVKADNSLAVRAGG 176

RESULT 2
US-10-147-463-2
Sequence 2, Application US/10147463
Publication No. US20030059838A1
GENERAL INFORMATION:
APPLICANT: ARIYASU, Toshio
ORITA, Kunzo
NAKAMURA, Shuji
TITLE OF INVENTION: HEDGEHOG PROTEIN
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street N.W., Ste. 300
CITY: Washington
STATE: D.C.
COUNTRY: United States of America
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/147,463
FILING DATE: 17-May-2002
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/617,545
FILING DATE: 14-Jul-2000
APPLICATION NUMBER: 09/063,778
FILING DATE: <Unknown>
APPLICATION NUMBER: JP 98-
FILING DATE: 14-APR-1998
ATTORNEY/AGENT INFORMATION:
NAME: Browdy, Roger L.
REGISTRATION/DOCKET NUMBER: 25,618
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-5197
TELEFAX: (202) 737-35281
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 374 amino acids
TYPE: amino acid
MOLECULE TYPE: protein

STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: mat peptide
LOCATION: 1..176
IDENTIFICATION METHOD: S
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-147-463-2

Query Match 100.0%; Score 937; DB 14; Length 374;
Best Local Similarity 100.0%; Pred. No. 1.1e-94;
Matches 176; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGRGKGVRRRRYARKQLVPLLYKQVPGVPERTLGASGPAAGRVARGSERFRDLVPPNN 60
DB 1 CGRGKGVRRRRYARKQLVPLLYKQVPGVPERTLGASGPAAGRVARGSERFRDLVPPNN 60
QY 61 PDIIFFDEENSGADRLMTERCKERVNALAIAMNMPGVRLVTEGMDGDGHHADSLHY 120
DB 61 PDIIFFDEENSGADRLMTERCKERVNALAIAMNMPGVRLVTEGMDGDGHHADSLHY 120
QY 121 EGRALDITTSDDRNRKYGLLARLAVAGFDWYYSRNHIHVSVKADNSLAVRAGG 176
DB 121 EGRALDITTSDDRNRKYGLLARLAVAGFDWYYSRNHIHVSVKADNSLAVRAGG 176

RESULT 3
US-10-147-463-3
Sequence 3, Application US/10147463
Publication No. US20030059838A1
GENERAL INFORMATION:
APPLICANT: ARIYASU, Toshio
ORITA, Kunzo
NAKAMURA, Shuji
TITLE OF INVENTION: HEDGEHOG PROTEIN
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street N.W., Ste. 300
CITY: Washington
STATE: D.C.
COUNTRY: United States of America
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/147,463
FILING DATE: 17-May-2002
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/617,545
FILING DATE: 14-Jul-2000
APPLICATION NUMBER: 09/063,778
FILING DATE: <Unknown>
APPLICATION NUMBER: JP 98-
FILING DATE: 14-APR-1998
ATTORNEY/AGENT INFORMATION:
NAME: Browdy, Roger L.
REGISTRATION/DOCKET NUMBER: 25,618
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-5197
TELEFAX: (202) 737-35281
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 396 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein

FEATURE:
NAME/KEY: mat peptide
LOCATION: -22..-1
IDENTIFICATION METHOD: S
SEQUENCE DESCRIPTION: SEQ ID NO: 3
US-10-147-463-3

Query Match 100.0%; Score 937; DB 14; Length 396;
Best Local Similarity 100.0%; Pred. No. 1.2e-94;
Matches 176; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGPGRGVGRRRVARVKQLVPLLYKQFVGPVPERLTGASGPAEGRVARGSERFRDLVPPNN 60
DB 23 CGPGRGVGRRRVARVKQLVPLLYKQFVGPVPERLTGASGPAEGRVARGSERFRDLVPPNN 82
QY 61 PDIIFKDEBNSGADRLMTCKEKNVNAIAIVNMMPGVRLRVTEGDEDEGHAQDSLHY 120
DB 83 PDIIFKDEBNSGADRLMTCKEKNVNAIAIVNMMPGVRLRVTEGDEDEGHAQDSLHY 142
QY 121 EGRALDITTSDRDNKYGGLARLAVEAGFDVWYTESRNHIVSVKADNSLAVRAGG 176
DB 143 EGRALDITTSDRDNKYGGLARLAVEAGFDVWYTESRNHIVSVKADNSLAVRAGG 198

RESULT 4
US-09-883-848A-25
Sequence 25, Application US/09883848A
Publication No. US20030022819A1
GENERAL INFORMATION:
APPLICANT: Ling, L.
APPLICANT: Santicola-Nadel, M.
TITLE OF INVENTION: ANGIOGENESIS-MODULATING COMPOSITIONS AND USES
FILE REFERENCE: CIBT-P01-119
CURRENT APPLICATION NUMBER: US/09/883,848A
CURRENT FILING DATE: 2001-06-18
PRIOR APPLICATION NUMBER: 60/211,919
PRIOR FILING DATE: 2000-06-16
NUMBER OF SEQ ID NOS: 48
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 25
LENGTH: 176
TYPE: PRT
ORGANISM: Homo sapiens
US-09-883-848A-25

Query Match 99.9%; Score 936; DB 10; Length 176;
Best Local Similarity 99.4%; Pred. No. 5.2e-95;
Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGPGRGVGRRRVARVKQLVPLLYKQFVGPVPERLTGASGPAEGRVARGSERFRDLVPPNN 60
DB 1 CGPGRGVGRRRVARVKQLVPLLYKQFVGPVPERLTGASGPAEGRVARGSERFRDLVPPNN 60
QY 61 PDIIFKDEBNSGADRLMTCKEKNVNAIAIVNMMPGVRLRVTEGDEDEGHAQDSLHY 120
DB 61 PDIIFKDEBNSGADRLMTCKEKNVNAIAIVNMMPGVRLRVTEGDEDEGHAQDSLHY 120
QY 121 EGRALDITTSDRDNKYGGLARLAVEAGFDVWYTESRNHIVSVKADNSLAVRAGG 176
DB 121 EGRALDITTSDRDNKYGGLARLAVEAGFDVWYTESRNHIVSVKADNSLAVRAGG 176

RESULT 5
US-10-164-282-4
Sequence 4, Application US/10164282
Publication No. US20030166543A1
GENERAL INFORMATION:
APPLICANT: Williams et al.
TITLE OF INVENTION: FUNCTIONAL ANTAGONISTS OF HEDGEHOG ACTIVITY
FILE REFERENCE: CIBT-P02-113
CURRENT APPLICATION NUMBER: US/10/164,282
CURRENT FILING DATE: 2002-06-05
PRIOR APPLICATION NUMBER: 09/890,975

PRIOR FILING DATE: 2001-08-07
NUMBER OF SEQ ID NOS: 19
SOFTWARE: PatentIn Ver. 3.1
SEQ ID NO 4
LENGTH: 176
TYPE: PRT
ORGANISM: Homo sapiens
US-10-164-282-4

Query Match 99.9%; Score 936; DB 14; Length 176;
Best Local Similarity 99.4%; Pred. No. 5.2e-95;
Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGPGRGVGRRRVARVKQLVPLLYKQFVGPVPERLTGASGPAEGRVARGSERFRDLVPPNN 60
DB 1 CGPGRGVGRRRVARVKQLVPLLYKQFVGPVPERLTGASGPAEGRVARGSERFRDLVPPNN 60
QY 61 PDIIFKDEBNSGADRLMTCKEKNVNAIAIVNMMPGVRLRVTEGDEDEGHAQDSLHY 120
DB 61 PDIIFKDEBNSGADRLMTCKEKNVNAIAIVNMMPGVRLRVTEGDEDEGHAQDSLHY 120
QY 121 EGRALDITTSDRDNKYGGLARLAVEAGFDVWYTESRNHIVSVKADNSLAVRAGG 176
DB 121 EGRALDITTSDRDNKYGGLARLAVEAGFDVWYTESRNHIVSVKADNSLAVRAGG 176

RESULT 6
US-10-294-036-27
Sequence 27, Application US/10294036
Publication No. US20030220244A1
GENERAL INFORMATION:
APPLICANT: Marzocha, Joerg
TITLE OF INVENTION: HEDGEHOG SIGNALING PROMOTES THE FORMATION OF THREE DIMENSIONAL C
FILE REFERENCE: CIBT-P01-123
CURRENT APPLICATION NUMBER: US/10/294,036
CURRENT FILING DATE: 2002-11-13
PRIOR APPLICATION NUMBER: 60/350,594
PRIOR FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn version 3.1
SEQ ID NO 27
LENGTH: 176
TYPE: PRT
ORGANISM: Homo sapiens
US-10-294-036-27

Query Match 99.9%; Score 936; DB 15; Length 176;
Best Local Similarity 99.4%; Pred. No. 5.2e-95;
Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGPGRGVGRRRVARVKQLVPLLYKQFVGPVPERLTGASGPAEGRVARGSERFRDLVPPNN 60
DB 1 CGPGRGVGRRRVARVKQLVPLLYKQFVGPVPERLTGASGPAEGRVARGSERFRDLVPPNN 60
QY 61 PDIIFKDEBNSGADRLMTCKEKNVNAIAIVNMMPGVRLRVTEGDEDEGHAQDSLHY 120
DB 61 PDIIFKDEBNSGADRLMTCKEKNVNAIAIVNMMPGVRLRVTEGDEDEGHAQDSLHY 120
QY 121 EGRALDITTSDRDNKYGGLARLAVEAGFDVWYTESRNHIVSVKADNSLAVRAGG 176
DB 121 EGRALDITTSDRDNKYGGLARLAVEAGFDVWYTESRNHIVSVKADNSLAVRAGG 176

RESULT 7
US-10-244-095A-25
Sequence 25, Application US/10244095A
Publication No. US20040038876A1
GENERAL INFORMATION:
APPLICANT: Pepinsky, Blake R.
APPLICANT: Taylor, Frederick
APPLICANT: Garber, Ellen A.
TITLE OF INVENTION: POLYMER CONJUGATES OF HEDGEHOG PROTEINS AND USES

FILE REFERENCE: CIBT-P01-117
CURRENT APPLICATION NUMBER: US/10/244,095A
CURRENT FILING DATE: 2002-09-12
PRIOR APPLICATION NUMBER: PCT/US00/14741
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/149,016
PRIOR FILING DATE: 1999-08-13
PRIOR APPLICATION NUMBER: 60/137,011
PRIOR FILING DATE: 1999-06-01
NUMBER OF SEQ ID NOS: 47
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 25
LENGTH: 176
TYPE: PRT
ORGANISM: Homo sapiens
US-10-244-095A-25

Query Match 99.9%; Score 936; DB 15; Length 176;
Best Local Similarity 99.4%; Pred. No. 5.2e-95;
Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGPGRGPGVRRRYARKQVLPVLYKQFVPGVPERTTGASGPAEGRVARGSERFRDLVPNNY 60
DB 1 CGPGRGPGVRRRYARKQVLPVLYKQFVPGVPERTTGASGPAEGRVARGSERFRDLVPNNY 60

QY 61 PDIIFFDEBNSGADRLMTERCCKERVNALAIAVNMMPGVRLVTEGMDGHHADPSLHY 120
DB 61 PDIIFFDEBNSGADRLMTERCCKERVNALAIAVNMMPGVRLVTEGMDGHHADPSLHY 120

QY 121 EGRALDITTSDBDRNRYGGLARLAVAGFDWYYESRNHIHVSVKADNSLAVRAGG 176
DB 121 EGRALDITTSDBDRNRYGGLARLAVAGFDWYYESRNHIHVSVKADNSLAVRAGG 176

RESULT 8
US-08-900-220C-17
Sequence 17, Application US/08900220C
Publication No. US2002045206A1
GENERAL INFORMATION:
APPLICANT: Miao, Ningning
Wang, Monica
Mahantappa, Nagesh K.
Jin, Ping
Jin, Ping
TITLE OF INVENTION: Method of Treating Dopaminergic and
GABA-nergic Disorders
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESSES:
ADDRESSEE: FOLEY, HOAG & ELIOT LLP
STREET: ONE POST OFFICE SQUARE
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Aesci (text)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/900,220C
FILING DATE: 24-Jul-1997
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: ONV-044,01
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 832-1000
TELEFAX: (617) 832-7000
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 396 amino acids

TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 17:
US-08-900-220C-17

Query Match 99.9%; Score 936; DB 8; Length 396;
Best Local Similarity 99.4%; Pred. No. 1.6e-94;
Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGPGRGPGVRRRYARKQVLPVLYKQFVPGVPERTTGASGPAEGRVARGSERFRDLVPNNY 60
DB 23 CGPGRGPGVRRRYARKQVLPVLYKQFVPGVPERTTGASGPAEGRVARGSERFRDLVPNNY 82

QY 61 PDIIFFDEBNSGADRLMTERCCKERVNALAIAVNMMPGVRLVTEGMDGHHADPSLHY 120
DB 83 PDIIFFDEBNSGADRLMTERCCKERVNALAIAVNMMPGVRLVTEGMDGHHADPSLHY 142

QY 121 EGRALDITTSDBDRNRYGGLARLAVAGFDWYYESRNHIHVSVKADNSLAVRAGG 176
DB 143 EGRALDITTSDBDRNRYGGLARLAVAGFDWYYESRNHIHVSVKADNSLAVRAGG 198

RESULT 9
US-09-151-999-17
Sequence 17, Application US/09151999
Patent No. US20020151460A1
GENERAL INFORMATION:
APPLICANT: Wang, Elizabeth
TITLE OF INVENTION: REGULATION OF EPITHELIAL TISSUE BY HEDGEHOG-LIKE
FILE OF INVENTION: POLYPEPTIDES, AND FORMULATIONS AND USES RELATED THERETO
FILE REFERENCE: ONV-031,02
CURRENT APPLICATION NUMBER: US/09/151,999
PRIOR FILING DATE: 1998-08-11
EARLIER APPLICATION NUMBER: 08/955,552
NUMBER OF SEQ ID NOS: 28
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 17
LENGTH: 396
TYPE: PRT
ORGANISM: Homo sapien Dhh
US-09-151-999-17

Query Match 99.9%; Score 936; DB 9; Length 396;
Best Local Similarity 99.4%; Pred. No. 1.6e-94;
Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGPGRGPGVRRRYARKQVLPVLYKQFVPGVPERTTGASGPAEGRVARGSERFRDLVPNNY 60
DB 23 CGPGRGPGVRRRYARKQVLPVLYKQFVPGVPERTTGASGPAEGRVARGSERFRDLVPNNY 82

QY 61 PDIIFFDEBNSGADRLMTERCCKERVNALAIAVNMMPGVRLVTEGMDGHHADPSLHY 120
DB 83 PDIIFFDEBNSGADRLMTERCCKERVNALAIAVNMMPGVRLVTEGMDGHHADPSLHY 142

QY 121 EGRALDITTSDBDRNRYGGLARLAVAGFDWYYESRNHIHVSVKADNSLAVRAGG 176
DB 143 EGRALDITTSDBDRNRYGGLARLAVAGFDWYYESRNHIHVSVKADNSLAVRAGG 198

RESULT 10
US-09-883-848A-17
Sequence 17, Application US/09883848A
Publication No. US20030022819A1
GENERAL INFORMATION:
APPLICANT: Ling, L.
Santicola-Nadel, M.
TITLE OF INVENTION: ANGIOGENESIS-MODULATING COMPOSITIONS AND USES
FILE REFERENCE: CIBT-P01-119
CURRENT APPLICATION NUMBER: US/09/883,848A
PRIOR FILING DATE: 2001-06-18
CURRENT APPLICATION NUMBER: 60/211,919

Sequence 17, Application US/03627110
Publication No. US20030104970A1
GENERAL INFORMATION:
APPLICANT: Wang, Elizabeth
TITLE OF INVENTION: REGULATION OF EPITHELIAL TISSUE BY HEDGEHOG-LIKE
TITLE OF INVENTION: POLYPEPTIDES, AND FORMULATIONS AND USES RELATED
FILE REFERENCE: ONY-031.02
CURRENT APPLICATION NUMBER: US/09/827,110

QY	CGGGRGPGVGRRRYARKQVLPLLYKQFPVGPVPERTLGAAGPAGRVARGSERFDLVLPNN	60
D6	CGGGRGPGVGRRRYARKQVLPLLYKQFPVGPVPERTLGAAGPAGRVARGSERFDLVLPNN	82
QY	PDIIIFDDEBNSGADRLMTETRCERKERNALALIAVMNNPQVRLRVTBGMDEDEHHAQDSLHY	122
D6	PDIIIFDDEBNSGADRLMTETRCERKERNALALIAVMNNPQVRLRVTBGMDEDEHHAQDSLHY	142
QY	EGRALDITTSDDRNKYGGLARLALAEAGDWWYTESRRHHIVSYKADNSLAVRAGG	176
D6	EGRALDITTSDDRNKYGGLARLALAEAGDWWYTESRRHHIVSYKADNSLAVRAGG	198

Publication No. US2003030119729A1
GENERAL INFORMATION:
APPLICANT: Miao, Ningning
APPLICANT: Wang, Monica
APPLICANT: Mahanthappa, Nagesh K

```

; APPLICANT: Jin, Ping
; APPLICANT: Pang, Kevin
; TITLE OF INVENTION: Method of Treating Dopaminergic and
; TITLE OF INVENTION: GABA-nergic Disorders
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSER: FOLEY, HONG & ELIOT LLP
; STREET: ONE POST OFFICE SQUARE
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Ascli (text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/451,939
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/900,220
; FILING DATE: 24-JUL-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matchew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: ONV-044.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 832-1000
; TELEFAX: (617) 832-7000
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 396 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-451-939-17

Query Match          99.9%; Score 936; DB 10; Length 396;
Best Local Similarity 99.4%; Pred. No. 1.6e-94;
Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGPGRGPVGRRRYARKQLVPLLYKQFVPGVPERITGASGPAEGRVARGSERFRDLVNNYN 60
    |||||||
DB 23 CGPGRGPVGRRRYARKQLVPLLYKQFVPGVPERITGASGPAEGRVARGSERFRDLVNNYN 82
    |||||||

QY 61 PDIIFFDEENSGADRLMTERCKERVNALAIAMNMMPGVRLVTEGWDGHHADSLHY 120
    |||||||
DB 83 PDIIFFDEENSGADRLMTERCKERVNALAIAMNMMPGVRLVTEGWDGHHADSLHY 142
    |||||||

QY 121 EGRALDITTSDDRNRKYGILARLAVEAGFDWYYESRNHIVSVKADNSLAVRAGG 176
    |||||||
DB 143 EGRALDITTSDDRNRKYGILARLAVEAGFDWYYESRNHIVSVKADNSLAVRAGG 198
    |||||||

RESULT 15
US-09-238-243-17
; Sequence 17, Application US/09238243
; Publication No. US20030162698A1
; GENERAL INFORMATION:
; APPLICANT: Galder, Alphonse
; APPLICANT: Mahanahappa, Nagesh
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING DOPAMINERGIC
; TITLE OF INVENTION: AND GABA-NERGIC DISORDERS
; FILE REFERENCE: ONV-069.01
; CURRENT APPLICATION NUMBER: US/09/238,243
; CURRENT FILING DATE: 1999-01-27
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 396
; TYPE: PRT
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; ORGANISM: Homo sapien Dh1
; US-09-238-243-17

Query Match          99.9%; Score 936; DB 10; Length 396;
Best Local Similarity 99.4%; Pred. No. 1.6e-94;
Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGPGRGPVGRRRYARKQLVPLLYKQFVPGVPERITGASGPAEGRVARGSERFRDLVNNYN 60
    |||||||
DB 23 CGPGRGPVGRRRYARKQLVPLLYKQFVPGVPERITGASGPAEGRVARGSERFRDLVNNYN 82
    |||||||

QY 61 PDIIFFDEENSGADRLMTERCKERVNALAIAMNMMPGVRLVTEGWDGHHADSLHY 120
    |||||||
DB 83 PDIIFFDEENSGADRLMTERCKERVNALAIAMNMMPGVRLVTEGWDGHHADSLHY 142
    |||||||

QY 121 EGRALDITTSDDRNRKYGILARLAVEAGFDWYYESRNHIVSVKADNSLAVRAGG 176
    |||||||
DB 143 EGRALDITTSDDRNRKYGILARLAVEAGFDWYYESRNHIVSVKADNSLAVRAGG 198
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Search completed: February 16, 2005, 13:04:26
Job time : 130 secs
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QY 121 GCGAGGAGGAGGTGGCAAGGGGCTCCGAGCGCTTCGGGGAAGCTTCGTGCCCACTACAC 180
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Db 187 GCGAGGAGGAGGTGGCAAGGGGCTCCGAGCGCTTCGGGGAAGCTTCGTGCCCACTACAC 246
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|
|
QY 181 CCCGACATCATCTTTCAGAGATGAGAGAACATGTAAGACCGACCGCTTCGTGATGACCGAACGT 240
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|
|
Db 247 CCCGACATCATCTTTCAGAGATGAGAGAACATGTAAGACCGACCGCTTCGTGATGACCGAACGT 306
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|
|
QY 241 TGTAAAGAAAGGGTGAACGCTTTGGCCATTGCCGTGTAACATGTTGGCCCGAGTGGC 300
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|
|
Db 307 TGCAGAGAGAGGGTGAACGCTTTGGCCATTGCCGTGTAACATGTTGGCCCGAGTGGC 366
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|
|
QY 301 CTACAGATGACTGAGGGCTGGAGCAGAGACGGCCACACGCTCAGATTCACTTCATAC 360
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|
Db 367 CTACAGATGACTGAGGGCTGGAGCAGAGACGGCCACACGCTCAGATTCACTTCATAC 426
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|
|
QY 361 GAAGGCGGCTTTGGACATCACTGACCTGACCGGCAACCGCAACAGTATGGTTGGCTG 420
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Db 427 GAAGGCGGCTTTGGACATCACTGACCTGACCGGCAACAGTATGGTTGGCTG 486
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QY 421 GCGGCGCTCGCAGTGAAGCGGCTTCGACTGGGTCTACTACGAGTCCCGCAACCATC 480
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Db 487 GCGGCGCTCGCAGTGAAGCGGCTTCGACTGGGTCTACTACGAGTCCCGCAACCATC 546
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QY 481 CACGTGCGGTCAAAGCTGATTAACCTGAGCGGTCCGGCGGCGGC 528
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Db 547 CACGTGCGGTCAAAGCTGATTAACCTGAGCGGTCCGGCGGCGGC 594
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|
|

RESULT 2

US-09-704-917-8
; Sequence 8, Application US/09704917
; Patent No. 6616926
; GENERAL INFORMATION:
; APPLICANT: Biogen, Inc.
; APPLICANT: Burckly, Linda
; APPLICANT: Wang, Li Chun
; TITLE OF INVENTION: METHODS OF MODULATING LIPID METABOLISM AND STORAGE
; FILE REFERENCE: A069PCT
; CURRENT APPLICATION NUMBER: US/09/704,917
; PRIOR FILING DATE: 2000-11-02
; PRIOR APPLICATION NUMBER: 60/122,640
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: 60/124,446
; PRIOR FILING DATE: 1999-03-15
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 1190
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1188)
US-09-704-917-8

Query Match 98.5%; Score 520; DB 4; Length 1190;

Best Local Similarity 99.1%; Pred. No. 1.8e-130;
Matches 523; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 TGGCGGCGCGGCGCGGCGGCGGCTTGGCGCGCGCTATGCGCGCAAGAGCTTCGTGCGG 60
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|
Db 67 TGGCGGCGCGGCGCGGCGGCGGCTTGGCGCGCGCTATGCGCGCAAGAGCTTCGTGCGG 126
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|
|
QY 61 CTACTCTACAAAGCAATTTTGGCCCGGAGTGCAGAGGGAACCTTGGGCGCGCAGTGGGCCA 120
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|
|
Db 127 CTACTCTACAAAGCAATTTTGGCCCGGAGTGCAGAGGGAACCTTGGGCGCGCAGTGGGCCA 186
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|
|
QY 121 GCGGAGGAGGAGGTGGCAAGGGGCTCCGAGCGCTTCGGGAGCCTTCGTGCCCACTACAC 180
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Db 187 GCGGAGGAGGAGGTGGCAAGGGGCTCCGAGCGCTTCGGGAGCCTTCGTGCCCACTACAC 246
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QY 181 CCCGACATCATCTTTCAGAGATGAGAGAACATGTAAGACCGACCGCTTCGTGATGACCGAACGT 240
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Db 247 CCCGACATCATCTTTCAGAGATGAGAGAACATGTAAGACCGACCGCTTCGTGATGACCGAACGT 306
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QY 241 TGTAAAGAAAGGGTGAACGCTTTGGCCATTGCCGTGTAACATGTTGGCCCGAGTGGC 300
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Db 307 TGCAGAGAGAGGGTGAACGCTTTGGCCATTGCCGTGTAACATGTTGGCCCGAGTGGC 366
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QY 301 CTACAGATGACTGAGGGCTGGAGCAGAGACGGCCACACGCTCAGATTCACTTCATAC 360
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Db 367 CTACAGATGACTGAGGGCTGGAGCAGAGACGGCCACACGCTCAGATTCACTTCATAC 426
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|
|
QY 361 GAAGGCGGCTTTGGACATCACTGACCTGACCGGCAACCGCAACAGTATGGTTGGCTG 420
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Db 427 GAAGGCGGCTTTGGACATCACTGACCTGACCGGCAACAGTATGGTTGGCTG 486
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QY 421 GCGGCGCTCGCAGTGAAGCGGCTTCGACTGGGTCTACTACGAGTCCCGCAACCATC 480
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|
Db 487 GCGGCGCTCGCAGTGAAGCGGCTTCGACTGGGTCTACTACGAGTCCCGCAACCATC 546
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|
QY 481 CACGTGCGGTCAAAGCTGATTAACCTGAGCGGTCCGGCGGCGGC 528
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Db 547 CACGTGCGGTCAAAGCTGATTAACCTGAGCGGTCCGGCGGCGGC 594
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|
|

RESULT 3

US-09-151-999-8
; Sequence 8, Application US/09151999
; Patent No. 6639051
; GENERAL INFORMATION:
; APPLICANT: Wang, Elizabeth
; TITLE OF INVENTION: REGULATION OF EPITHELIAL TISSUE BY HEDGEHOG-LIKE
; FILE REFERENCE: ONV-031.02
; CURRENT APPLICATION NUMBER: US/09/151,999
; PRIOR FILING DATE: 1998-08-11
; EARLIER APPLICATION NUMBER: 08/955,552
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 1190
; TYPE: DNA
; ORGANISM: Homo sapien Dh
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1188)
US-09-151-999-8

Query Match 98.5%; Score 520; DB 4; Length 1190;

Best Local Similarity 99.1%; Pred. No. 1.8e-130;
Matches 523; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 TGGCGGCGCGGCGCGGCGGCGGCTTGGCGCGCGCTATGCGCGCAAGAGCTTCGTGCGG 60
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|
Db 67 TGGCGGCGCGGCGCGGCGGCGGCTTGGCGCGCGCTATGCGCGCAAGAGCTTCGTGCGG 126
|
|
|
QY 61 CTACTCTACAAAGCAATTTTGGCCCGGAGTGCAGAGGGAACCTTGGGCGCGCAGTGGGCCA 120
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Db 127 CTACTCTACAAAGCAATTTTGGCCCGGAGTGCAGAGGGAACCTTGGGCGCGCAGTGGGCCA 186
|
|
|
QY 121 GCGGAGGAGGAGGTGGCAAGGGGCTCCGAGCGCTTCGGGAGCCTTCGTGCCCACTACAC 180
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|
|
Db 187 GCGGAGGAGGAGGTGGCAAGGGGCTCCGAGCGCTTCGGGAGCCTTCGTGCCCACTACAC 246
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|
|
QY 181 CCCGACATCATCTTTCAGAGATGAGAGAACATGTAAGACCGACCGCTCAGATTCACTTCAC 240
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|
Db 247 CCCGACATCATCTTTCAGAGATGAGAGAACATGTAAGACCGACCGCTCAGATTCACTTCAC 306
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|
|
QY 241 TGTAAAGAAAGGGTGAACGCTTTGGCCATTGCCGTGTAACATGTTGGCCCGAGTGGC 300
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|
|
Db 307 TGCAGAGAGAGGGTGAACGCTTTGGCCATTGCCGTGTAACATGTTGGCCCGAGTGGC 366
|
|
|

Db 247 CCCGACATATCTTCAAGATGAGAGAACAGCGCGCCAGACCGCTGATGACAGACCGT 306
Qy 241 TGTAAAGAAAGGGGTGAACGCTTTGGCCATTGCCGTATGAACATGTGGCCGAGTGC 300
Db 307 TGCAAAGAGCGGGTGAACGCTCTAGCCATCGCGGTATGAACATGTGGCCGAGTGC 366
Qy 301 CTACGAGTGAATGAGGGCTGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 360
Db 367 CTACGAGTGAATGAGGGCTGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 426
Qy 361 GAAGCGCGCTCTTTGACATCACTACGTCTGACCGGACCGGACCAAGATATGGTCTG 420
Db 427 GAAGCGCGCTCTTTGACATCACTACGTCTGACCGGACCGGACCAAGATATGGTCTG 486
Qy 421 GCGCGCTCTGCAAGTGAAGCGCGCTTGAAGTGGGTCTACTAGAGTCCCGCAACCATC 480
Db 487 GCGCGCTCTGCAAGTGAAGCGCGCTTGAAGTGGGTCTACTAGAGTCCCGCAACCATC 546
Qy 481 CACGTGCGTCAAGCTGATTAATCACTGCGCGGTCCGAGCGCGCGC 528
Db 547 CACGTGCGTCAAGCTGATTAATCACTGCGCGGTCCGAGCGCGAGGC 594

RESULT 12
US-09-448-188-2
Sequence 2, Application US/09448188
Patent No. 6607913
GENERAL INFORMATION:
APPLICANT: Ingham, Phillip W.
McMahon, Andrew P.
Tabin, Clifford J.
TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing
Proteins and Uses Related Thereto
NUMBER OF SEQUENCES: 48
CORRESPONDENCE ADDRESS:
ADDRESSER: FOLEY, HOAG & ELIOT LLP
STREET: One Post Office Square
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109-2170
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/448,188
FILING DATE: 23-No. 6607913-1999
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/462,386
FILING DATE: 05-JUN-1995
APPLICATION NUMBER: US 08/435,093
FILING DATE: 04-MAY-1995
APPLICATION NUMBER: US 08/356,060
FILING DATE: 14-DEC-1994
APPLICATION NUMBER: US 08/176,427
FILING DATE: 30-DEC-1993
ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: HMV-006.12
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-832-1000
TELEFAX: 617-832-7000
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1190 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: cDNA

FEATURE:
NAME/KEY: CDS
LOCATION: 1..1188
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-448-188-2
Query Match 84.2%; Score 444.8; DB 4; Length 1190;
Best Local Similarity 90.2%; Pred. No. 3.2e-110;
Matches 476; Conservative 0; Mismatches 52; Indels 0; Gaps 0;

Qy 1 TGGGGGCGGGGCGGGGCGGGGCGGGGCGGGGCGGGGCGGGGCGGGGCGGGGCGGGGCG 60
Db 67 TGGGGGCGGGGCGGGGCGGGGCGGGGCGGGGCGGGGCGGGGCGGGGCGGGGCGGGGCG 126
Qy 61 CTACTTACAGCAATTTGTGCGCGCGTGCAGAGCGGACCTGGGCGCGCAGTGGGCGCA 120
Db 127 CTGCTATACAGCAATTTGTGCGCGCGTGCAGAGCGGACCTGGGCGCGCAGTGGGCGCA 186
Qy 121 GCGAGGGGAGGGGTGAGAGGGGCTTCCAGCGCTTCCGAGCCTCTGTCCTCAACTACAC 180
Db 187 GCGAGGGGAGGGGTGAGAGGGGCTTCCAGCGCTTCCGAGCCTCTGTCCTCAACTACAC 246
Qy 181 CCGGACATCATCTTCAAGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 240
Db 247 CCGGACATCATCTTCAAGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 306
Qy 241 TGTAAAGAAAGGGGTGAACGCTTTGGCCATTGCCGTATGAACATGTGGCCGAGTGC 300
Db 307 TGCAAAGAGCGGGTGAACGCTCTAGCCATCGCGGTATGAACATGTGGCCGAGTGC 366
Qy 301 CTACGAGTGAATGAGGGCTGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 360
Db 367 CTACGAGTGAATGAGGGCTGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 426
Qy 361 GAAGCGCGCTCTTTGACATCACTACGTCTGACCGGACCGGACCAAGATATGGTCTG 420
Db 427 GAAGCGCGCTCTTTGACATCACTACGTCTGACCGGACCGGACCAAGATATGGTCTG 486
Qy 421 GCGCGCTCTGCAAGTGAAGCGCGCTTGAAGTGGGTCTACTAGAGTCCCGCAACCATC 480
Db 487 GCGCGCTCTGCAAGTGAAGCGCGCTTGAAGTGGGTCTACTAGAGTCCCGCAACCATC 546
Qy 481 CACGTGCGTCAAGCTGATTAATCACTGCGCGGTCCGAGCGCGCGC 528
Db 547 CACGTGCGTCAAGCTGATTAATCACTGCGCGGTCCGAGCGCGAGGC 594

RESULT 13
US-08-954-128-2
Sequence 2, Application US/08954128
Patent No. 6610656
GENERAL INFORMATION:
APPLICANT: Ingham, Phillip W.
McMahon, Andrew P.
Tabin, Clifford J.
TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing
Proteins and Uses Related Thereto
NUMBER OF SEQUENCES: 48
CORRESPONDENCE ADDRESS:
ADDRESSER: FOLEY, HOAG & ELIOT LLP
STREET: One Post Office Square
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109-2170
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/954,128
FILING DATE: 20-OCT-1997


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1  APPLICANT: McMahon, Andrew P.
2  APPLICANT: Tablin, Clifford J.
3  TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing
4  TITLE OF INVENTION: Proteins and Uses Related Thereto
5  NUMBER OF SEQUENCES: 48
6  CORRESPONDENCE ADDRESS:
7  ADDRESSEE: FOLEY, HOAG & ELIOT LLP
8  STREET: One Post Office Square
9  CITY: Boston
10 STATE: MA
11
12 COUNTRY: USA
13 ZIP: 02109-2170
14
15 COMPUTER READABLE FORM:
16 MEDIUM TYPE: Floppy disk
17 COMPUTER: IBM PC compatible
18 OPERATING SYSTEM: PC-DOS/MS-DOS
19 SOFTWARE: Patentin Release #1.0, Version #1.30
20
21 CURRENT APPLICATION DATA:
22 APPLICATION NUMBER: US/08/954,740
23 FILING DATE: 20-OCT-1997
24 PRIOR APPLICATION DATA:
25 APPLICATION NUMBER: US 08/462,386
26 FILING DATE: 05-JUN-1995
27
28 PRIOR APPLICATION DATA:
29 APPLICATION NUMBER: US 08/435,093
30 FILING DATE: 04-MAY-1995
31 PRIOR APPLICATION DATA:
32 APPLICATION NUMBER: US 08/356,060
33 FILING DATE: 14-DEC-1994
34
35 PRIOR APPLICATION DATA:
36 APPLICATION NUMBER: US 08/176,427
37 FILING DATE: 30-DEC-1993
38 ATTORNEY/AGENT INFORMATION:
39 NAME: Vincent, Matthew P.
40 REGISTRATION NUMBER: 36,709
41 REFERENCE/DOCKET NUMBER: HWY-006.08
42
43 TELECOMMUNICATION INFORMATION:
44 TELEPHONE: 617-832-1000
45 TELEFAX: 617-832-7000
46
47 INFORMATION FOR SEQ ID NO: 2:
48 SEQUENCE CHARACTERISTICS:
49 LENGTH: 1190 base pairs
50 TYPE: nucleic acid
51 STRANDEDNESS: both
52 TOPOLOGY: linear
53 MOLECULE TYPE: cDNA
54
55 FEATURE:
56 NAME/KEY: CDS
57 LOCATION: 1..1188
58
59 US-08-954-740-2

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Query Match	84.2%;	Score 444.8;	DB 4;	Length 1190;
Best Local Similarity	90.2%;	Pred. No. 3.2e-110;		
Matches 476;	Conservative 0;	Mismatches 52;	Indels 0;	Gaps 0;

OY	1	TGCGGGCCGGGACCGGGGGCCGGTTGCGCGGCGCTATGCGCGCAACAGTCGTGCG	60
Db	67	TGCGGGCCGGGCGAGGACCGGTTGGCCGGGGCGTTATGTGTGGCAACAACTGTGCT	126
OY	61	CTACTCTAAGAGCAATTTGTGCGCGGCGTGCACAGCGGACCCCTTGGGCGCCAGTGGGCA	120
Db	127	CTGCTATACAAAGCACTTGTGTGCGCAGTATGCCGAGCGACCTGTGGGCGCAGTGGGCA	186
OY	121	GCGAGGGGAGGGGTGGCAAGGGGCTCCGAGCGCTTCCGGGACCTTCGTGCCCACTTCAAC	180
Db	187	GCGAGGGGAGGGGTATCAAGGGGGGTGGAGCGCTTCCGGGACCTTCGTATCCCACTTCAAC	246
OY	181	CCCGACATCATCTTCAAGATGAGGAGAAAGTGGAGGCGGACCGCGTATGACCGGAAGT	240
Db	247	CCCGACATCATCTTCAAGATGAGGAGAAACAGCGGCGGACCGCTATATGACAGAGCT	306
OY	241	TGTAAAGAAAGGGTGAACGCTTTGGCAATTGCGTGATGAACATGTGGCCCCGAGTGGCG	300

Db	307	TCGAAAGACGGGGTGAACCGCTTACGCATCCGGGTGTAAGAACATGTGGCCCCGGAGTACGC	366
Qy	301	CTACGAGTACATGAAGGCGTGGGAGCAGAGACGGCCACACGCTAGATGATCACTCCACTAC	360
Db	367	CTACGTGTATCTGAAGGCTGGGACGAGGACGACACGACGACGAGATTCACTCCACTAC	426
Qy	361	GAAAGCCGCTGCTTTGGACATCACTACGTCGTACCGCGACCGCAACAATATGGGTTGCTG	420
Db	427	GAAAGCCGCTGCTTTGGACATCACTACGTCGTACCGGTACCGTAATAAGTATGGTTGTTG	486
Qy	421	GCGCGCTCTGGCATGTGAAGCCGGCTTGCATCTGGGTCTTACTACGATGCCCAACCATC	480
Db	487	GCGCGCTCTAGCTGTGAAGCCGGAATTCATCGGGCTTACTACGATGCCCAACCATC	546
Qy	481	CAGGTGCGGTCAAAGCTGATTAATCACTGTGCGGTCCGGCGCGGCGCGC	528
Db	547	CAGGTATCGGTCAAAGCTGATTAATCACTGTGCGGTCCGAGCGCGGAGGC	594

Search completed: February 21, 2005, 10:01:45
Job time : 113 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: February 16, 2005, 12:27:22 ; Search time 43 Seconds
(without alignments)
305.540 Million cell updates/sec

Title: US-09-063-778-1

Perfect score: 937

Sequence: 1 CGGGRGPVGRRRYARKQLVP.....RNHIVSVKADNSLAVALAGG 176

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

1: Issued Patents AA:*

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17: /cgn2_6/prodata/1/1aa/6N COMB.pep.*

18: /cgn2_6/prodata/1/1aa/6O COMB.pep.*

19: /cgn2_6/prodata/1/1aa/6P COMB.pep.*

SUMMARIES

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Result No.	Score	Query Match	Length	DB ID	Description
1	936	99.9	176	4	US-09-325-256-3
2	936	99.9	336	4	US-09-325-256-24
3	936	99.9	336	4	US-09-704-917-17
4	936	99.9	336	4	US-09-151-999-17
5	920	98.2	336	1	US-08-176-4278-4
6	920	98.2	336	1	US-08-356-060A-9
7	920	98.2	336	3	US-08-460-900C-9
8	920	98.2	336	3	US-08-674-509B-9
9	920	98.2	336	3	US-08-954-698-9
10	920	98.2	336	3	US-09-293-505-13
11	920	98.2	336	4	US-08-957-874-9
12	920	98.2	336	4	US-09-325-256-18
13	920	98.2	336	4	US-09-639-695-9
14	920	98.2	336	4	US-09-448-188-9
15	920	98.2	336	4	US-08-954-128-9
16	920	98.2	336	4	US-09-704-917-11
17	920	98.2	336	4	US-08-954-740-9
18	920	98.2	336	4	US-09-151-999-11
19	920	98.2	336	4	US-09-736-476-9
20	920	98.2	336	4	US-09-060-939A-13
21	920	98.2	336	4	US-09-021-660A-35
22	920	98.2	336	4	US-09-418-221-11
23	920	98.2	336	4	US-08-176-4278-2
24	920	98.2	336	4	US-08-356-060A-8
25	920	98.2	336	4	US-08-460-900C-8
26	920	98.2	336	4	US-08-674-509B-8
27	920	98.2	336	4	US-08-954-698-8

28	741	79.1	425	3	US-08-957-874-8	Sequence 8, Appl
29	741	79.1	425	4	US-09-325-256-17	Sequence 17, Appl
30	741	79.1	425	4	US-09-639-695-8	Sequence 8, Appl
31	741	79.1	425	4	US-09-448-188-8	Sequence 8, Appl
32	741	79.1	425	4	US-08-954-128-8	Sequence 8, Appl
33	741	79.1	425	4	US-09-704-917-10	Sequence 10, Appl
34	741	79.1	425	4	US-08-954-740-8	Sequence 8, Appl
35	741	79.1	425	4	US-09-151-999-10	Sequence 10, Appl
36	741	79.1	425	4	US-09-736-476-8	Sequence 8, Appl
37	741	79.1	425	4	US-09-021-660A-34	Sequence 34, Appl
38	741	79.1	425	4	US-09-418-221-10	Sequence 10, Appl
39	740	79.0	437	1	US-08-176-4278-8	Sequence 8, Appl
40	740	79.0	437	2	US-08-356-060A-11	Sequence 11, Appl
41	740	79.0	437	3	US-08-460-900C-11	Sequence 11, Appl
42	740	79.0	437	3	US-08-674-509B-11	Sequence 11, Appl
43	740	79.0	437	3	US-08-954-698-11	Sequence 11, Appl
44	740	79.0	437	3	US-09-293-505-14	Sequence 14, Appl
45	740	79.0	437	3	US-08-957-874-11	Sequence 11, Appl

ALIGNMENTS

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RESULT 1
US-09-325-256-3
; Sequence 3, Application US/09325256
; Patent No. 6444793
; GENERAL INFORMATION:
; APPLICANT: PERINSKY, R. BLAKE
; APPLICANT: BAKER, DARREN P.
; APPLICANT: WEN, DINGYI
; APPLICANT: WILLIAMS, KEVIN P.
; APPLICANT: GARDER, EILEEN A.
; APPLICANT: TAYLOR, FREDERICK R.
; APPLICANT: CALDES, ALPHONSE
; APPLICANT: PORTER, JEFFREY
; TITLE OF INVENTION: HYDROPHOBICALLY-MODIFIED PROTEIN COMPOSITIONS AND
; FILE REFERENCE: BIV-067.01
; CURRENT APPLICATION NUMBER: US/09/325,256
; PRIOR FILING DATE: 1999-05-03
; PRIOR APPLICATION NUMBER: 60/099,800
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/078,935
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/089,685
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/067,423
; PRIOR FILING DATE: 1997-12-03
; PRIOR APPLICATION NUMBER: PCT/US98/25676
; PRIOR FILING DATE: 1998-12-03
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 176
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-325-256-3
Query Match 99.9%; Score 936; DB 4; Length 176;
Best Local Similarity 99.4%; Pred. No. 1.9e-104;
Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 CGGGRGPVGRRRYARKQLVP...LYKQFVPGVPERITLGSFPAEGRVARGSERPFDLVNNY 60
DB 1 CGGGRGPVGRRRYARKQLVP...LYKQFVPGVPERITLGSFPAEGRVARGSERPFDLVNNY 60
QY 61 PDIIIFDEBNSGADRLMTERCKEKVNAIAIVNNMPPGVRLRTGSGMDEDDGHAQDSLHY 120
DB 61 PDIIIFDEBNSGADRLMTERCKEKVNAIAIVNNMPPGVRLRTGSGMDEDDGHAQDSLHY 120
QY 121 EGALDITTSDBRANKYGLARLAVALAGPDPVYTESRNHIVSVKADNSLAVALAGG 176
DB 121 EGALDITTSDBRANKYGLARLAVALAGPDPVYTESRNHIVSVKADNSLAVALAGG 176
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Db 121 EGRALDITTSDRRNKYGILLARLAVEAGFDWYVESRNHHVSVKADNSLAVRAGG 176

RESULT 2
US-09-325-256-24
Sequence 24, Application US/09325256
Patent No. 6444793
GENERAL INFORMATION:
APPLICANT: PEPINSKY, R. BLAKE
APPLICANT: BAKER, DARREN P.
APPLICANT: MEN, DINGYI
APPLICANT: WILLIAMS, KEVIN P.
APPLICANT: GARGER, ELEN A.
APPLICANT: TAYLOR, FREDERICK R.
APPLICANT: GALDES, ALPHONSE
APPLICANT: PORTER, JEFFREY
TITLE OF INVENTION: HYDROPHOBICALLY-MODIFIED PROTEIN COMPOSITIONS AND
TITLE OF INVENTION: METHODS
FILE REFERENCE: BIV-067.01
CURRENT APPLICATION NUMBER: US/09/325,256
CURRENT FILING DATE: 1999-06-03
PRIOR APPLICATION NUMBER: 60/099,800
PRIOR FILING DATE: 1998-09-10
PRIOR APPLICATION NUMBER: 60/078,935
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/089,685
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/067,423
PRIOR FILING DATE: 1997-12-03
PRIOR APPLICATION NUMBER: PCT/US98/25676
PRIOR FILING DATE: 1998-12-03
NUMBER OF SEQ ID NOS: 31
SOFTWARE: Patent In Ver. 2.1
SEQ ID NO 24
LENGTH: 396
TYPE: PRT
ORGANISM: Homo sapiens
US-09-325-256-24

Query Match 99.9%; Score 936; DB 4; Length 396;
Best Local Similarity 99.4%; Pred. No. 6,4e-104;
Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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|||
DB 23 CGGGRGPGVRRRYARKQVLPVLLYKQFVGPVPTTIGASGPAEGRVARGSERFRDLVPNNY 82
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QY 61 PDIIFFDEENSGADRLMTERCCKERVNALAIANNMMPGVRLVTEGMDGHHADDSLHY 120
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DB 83 PDIIFFDEENSGADRLMTERCCKERVNALAIANNMMPGVRLVTEGMDGHHADDSLHY 142
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QY 121 EGRALDITTSDRRNKYGILLARLAVEAGFDWYVESRNHHVSVKADNSLAVRAGG 176
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DB 143 EGRALDITTSDRRNKYGILLARLAVEAGFDWYVESRNHHVSVKADNSLAVRAGG 198
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RESULT 3
US-09-704-917-17
Sequence 17, Application US/09704917
Patent No. 6616926
GENERAL INFORMATION:
APPLICANT: Biogen, Inc.
APPLICANT: Burkly, Linda
APPLICANT: Wang, Li Chun
TITLE OF INVENTION: METHODS OF MODULATING LIPID METABOLISM AND STORAGE
FILE REFERENCE: A069PCT
CURRENT APPLICATION NUMBER: US/09/704,917
CURRENT FILING DATE: 2000-11-02
PRIOR APPLICATION NUMBER: 60/122,640
PRIOR FILING DATE: 1999-03-03
PRIOR APPLICATION NUMBER: 60/124,446
PRIOR FILING DATE: 1999-03-15
NUMBER OF SEQ ID NOS: 22

SOFTWARE: Patent In Ver. 2.1
SEQ ID NO 17
LENGTH: 396
TYPE: PRT
ORGANISM: Homo sapiens
US-09-704-917-17

Query Match 99.9%; Score 936; DB 4; Length 396;
Best Local Similarity 99.4%; Pred. No. 6,4e-104;
Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGGRGPGVRRRYARKQVLPVLLYKQFVGPVPTTIGASGPAEGRVARGSERFRDLVPNNY 60
|||
DB 23 CGGGRGPGVRRRYARKQVLPVLLYKQFVGPVPTTIGASGPAEGRVARGSERFRDLVPNNY 82
|||
QY 61 PDIIFFDEENSGADRLMTERCCKERVNALAIANNMMPGVRLVTEGMDGHHADDSLHY 120
|||
DB 83 PDIIFFDEENSGADRLMTERCCKERVNALAIANNMMPGVRLVTEGMDGHHADDSLHY 142
|||
QY 121 EGRALDITTSDRRNKYGILLARLAVEAGFDWYVESRNHHVSVKADNSLAVRAGG 176
|||
DB 143 EGRALDITTSDRRNKYGILLARLAVEAGFDWYVESRNHHVSVKADNSLAVRAGG 198
|||

RESULT 4
US-09-151-999-17
Sequence 17, Application US/09151999
Patent No. 6639051
GENERAL INFORMATION:
APPLICANT: Wang, Elizabeth
TITLE OF INVENTION: REGULATION OF EPITHELIAL TISSUE BY HEDGEHOG-LIKE
TITLE OF INVENTION: POLYPEPTIDES, AND FORMULATIONS AND USES RELATED THERETO
FILE REFERENCE: ONV-031.02
CURRENT APPLICATION NUMBER: US/09/151,999
CURRENT FILING DATE: 1998-08-11
EARLIER APPLICATION NUMBER: 08/955,552
EARLIER FILING DATE: 1997-10-20
NUMBER OF SEQ ID NOS: 28
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 17
LENGTH: 396
TYPE: PRT
ORGANISM: Homo sapien Dhh
US-09-151-999-17

Query Match 99.9%; Score 936; DB 4; Length 396;
Best Local Similarity 99.4%; Pred. No. 6,4e-104;
Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGGRGPGVRRRYARKQVLPVLLYKQFVGPVPTTIGASGPAEGRVARGSERFRDLVPNNY 60
|||
DB 23 CGGGRGPGVRRRYARKQVLPVLLYKQFVGPVPTTIGASGPAEGRVARGSERFRDLVPNNY 82
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QY 61 PDIIFFDEENSGADRLMTERCCKERVNALAIANNMMPGVRLVTEGMDGHHADDSLHY 120
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DB 83 PDIIFFDEENSGADRLMTERCCKERVNALAIANNMMPGVRLVTEGMDGHHADDSLHY 142
|||
QY 121 EGRALDITTSDRRNKYGILLARLAVEAGFDWYVESRNHHVSVKADNSLAVRAGG 176
|||
DB 143 EGRALDITTSDRRNKYGILLARLAVEAGFDWYVESRNHHVSVKADNSLAVRAGG 198
|||

RESULT 5
US-08-176-427B-4
Sequence 4, Application US/08176427B
Patent No. 5789543
GENERAL INFORMATION:
APPLICANT: Ingham, Phillip W.
APPLICANT: McMahon, Andrew P.
APPLICANT: Tabin, Clifford J.
TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing
TITLE OF INVENTION: Proteins and Uses Related Thereto
NUMBER OF SEQUENCES: 33

;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: LAHIVE & COCKFIELD
;; STREET: 60 State Street
;; CITY: Boston
;; STATE: MA
;; COUNTRY: USA
;; ZIP: 02109
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: ASCII(text)
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/176,427B
;; FILING DATE: 30-DEC-1993
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Vincent, Matthew P.
;; REGISTRATION NUMBER: 36,709
;; REFERENCE/DOCKET NUMBER: HMI-006
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617) 227-7400
;; TELEFAX: (617) 227-5941
;; INFORMATION FOR SEQ ID NO: 4:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 396 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
US-08-176-427B-4

Query Match 98.2%; Score 920; DB 1; Length 396;
Best Local Similarity 97.7%; Pred. No. 5,4e-102;
Matches 172; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

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DB 23 CGPGRGVGRRRYARKQLVPLLYKQFVPSMPERTLGASGPAEGRVARGSSRFDLVNNYN 82
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DB 143 EGRALDITSDRDNKTKGLARLAVEAGFDWVYTESRHHIVSKADNSLAVRAGG 198

RESULT 6
US-08-356-060A-9
; Sequence 9, Application US/08356060A
; Patent No. 5844079
; GENERAL INFORMATION:
; APPLICANT: Ingham, Phillip W.
; APPLICANT: McMahon, Andrew P.
; APPLICANT: Tablin, Clifford J.
; TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing
; TITLE OF INVENTION: Proteins and Uses Related Thereto
; NUMBER OF SEQUENCES: 47
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII(text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/356,060A

;; FILING DATE: 14-DEC-1994
;; CLASSIFICATION: 435
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/176,427
;; FILING DATE: 30-DEC-1993
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Vincent, Matthew P.
;; REGISTRATION NUMBER: 36,709
;; REFERENCE/DOCKET NUMBER: HMI-006CP
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617) 227-7400
;; TELEFAX: (617) 227-5941
;; INFORMATION FOR SEQ ID NO: 9:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 396 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
US-08-356-060A-9

Query Match 98.2%; Score 920; DB 2; Length 396;
Best Local Similarity 97.7%; Pred. No. 5,4e-102;
Matches 172; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGPGRGVGRRRYARKQLVPLLYKQFPGVPERTLGASGPAEGRVARGSSRFDLVNNYN 60
DB 23 CGPGRGVGRRRYARKQLVPLLYKQFVPSMPERTLGASGPAEGRVARGSSRFDLVNNYN 82
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DB 83 PDIIFFKDEENSGADRLMTERCKERVNALAIANNMMPGVRLRTEGDEGHHADSLHY 142
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DB 143 EGRALDITSDRDNKTKGLARLAVEAGFDWVYTESRHHIVSKADNSLAVRAGG 198

RESULT 7
US-08-460-900C-9
; Sequence 9, Application US/08460900C
; Patent No. 6165747
; GENERAL INFORMATION:
; APPLICANT: Ingham, Phillip W.
; APPLICANT: McMahon, Andrew P.
; APPLICANT: Tablin, Clifford J.
; APPLICANT: Bumcrot, David A.
; APPLICANT: Marti-Gorostiza, Elisa
; TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing
; TITLE OF INVENTION: Proteins and Uses Related Thereto
; NUMBER OF SEQUENCES: 62
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Releasee #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/460,900C
; FILING DATE: 5-JUNE-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/435,093
; FILING DATE: 4-MAY-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/356,060
; FILING DATE: 14-DEC-1994
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US 08/176,427

FILING DATE: 30-DEC-1993
ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: HMV-006.05
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 832-1000
TELEFAX: (617) 832-7000
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 396 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULAR TYPE: protein
US-08-460-900C-9

Query Match 98.2%; Score 920; DB 3; Length 396;
Best Local Similarity 97.7%; Pred. No. 5,4e-102;
Matches 172; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGGRRGPGVRRRYARKQLVPLLYKQFVGPVPTLTGASGPAGRVARGSRFRDLVNNY 60
DB 23 CGGRRGPGVRRRYARKQLVPLLYKQFVGPVPTLTGASGPAGRVTRGSRFRDLVNNY 82

QY 61 PDIIFFDENSGADRLMTERCKERVNLAIAVMNMPGVRLVTEGMDGDGHHADSLHY 120
DB 83 PDIIFFDENSGADRLMTERCKERVNLAIAVMNMPGVRLVTEGMDGDGHHADSLHY 142

QY 121 EGRALDITTSDBRNKYGLLARIAYAGFDWYYESRNHIHVSVKADNSLAVRAGG 176
DB 143 EGRALDITTSDBRNKYGLLARIAYAGFDWYYESRNHIHVSVKADNSLAVRAGG 198

RESULT 8
US-08-674-509B-9
Sequence 9, Application US/08674509B
Patent No. 6261786
GENERAL INFORMATION:
APPLICANT: Ingham, Phillip W.
APPLICANT: McMahon, Andrew P.
APPLICANT: Tablin, Clifford J.
APPLICANT: Mariago, Valeria
TITLE OF INVENTION: SCREENING ASSAYS FOR HEDGEHOG AGONISTS
TITLE OF INVENTION: AND ANTAGONISTS
NUMBER OF SEQUENCES: 48
CORRESPONDENCE ADDRESS:
ADDRESSER: FOLEY, HOAG & ELIOT LLP
STREET: One Post Office Square
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109-2170
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/674,509B
FILING DATE: 02-JUL-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/460,900
FILING DATE: 05-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: HMV-006.06
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-832-1000
TELEFAX: 617-832-7000
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:

LENGTH: 396 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULAR TYPE: protein
US-08-674-509B-9

Query Match 98.2%; Score 920; DB 3; Length 396;
Best Local Similarity 97.7%; Pred. No. 5,4e-102;
Matches 172; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGGRRGPGVRRRYARKQLVPLLYKQFVGPVPTLTGASGPAGRVARGSRFRDLVNNY 60
DB 23 CGGRRGPGVRRRYARKQLVPLLYKQFVGPVPTLTGASGPAGRVTRGSRFRDLVNNY 82

QY 61 PDIIFFDENSGADRLMTERCKERVNLAIAVMNMPGVRLVTEGMDGDGHHADSLHY 120
DB 83 PDIIFFDENSGADRLMTERCKERVNLAIAVMNMPGVRLVTEGMDGDGHHADSLHY 142

QY 121 EGRALDITTSDBRNKYGLLARIAYAGFDWYYESRNHIHVSVKADNSLAVRAGG 176
DB 143 EGRALDITTSDBRNKYGLLARIAYAGFDWYYESRNHIHVSVKADNSLAVRAGG 198

RESULT 9
US-08-954-698-9
Sequence 9, Application US/08954698
Patent No. 6271363
GENERAL INFORMATION:
APPLICANT: Ingham, Phillip W.
APPLICANT: McMahon, Andrew P.
APPLICANT: Tablin, Clifford J.
TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing
TITLE OF INVENTION: Proteins and Uses Related Thereto
NUMBER OF SEQUENCES: 48
CORRESPONDENCE ADDRESS:
ADDRESSER: FOLEY, HOAG & ELIOT LLP
STREET: One Post Office Square
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109-2170
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/954,698
FILING DATE: 20-OCT-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/462,386
FILING DATE: 05-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/435,093
FILING DATE: 04-MAY-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/356,060
FILING DATE: 14-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/176,427
FILING DATE: 30-DEC-1993
ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: HMV-006.10
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-832-1000
TELEFAX: 617-832-7000
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 396 amino acids
TYPE: amino acid
TOPOLOGY: linear

MOLECULE TYPE: protein
US-08-954-698-9

Query Match 98.2%; Score 920; DB 3; Length 396;
Best Local Similarity 97.7%; Pred. No. 5.4e-102;
Matches 172; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGGCGPVGRRRYARKQLVPLLYKQFVGPVPTLGAAGPAGRGVARSERFRDLVNNY 60
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DB 23 CGGCGPVGRRRYARKQLVPLLYKQFVGPVPTLGAAGPAGRGVARSERFRDLVNNY 82
|||||
QY 61 PDIIIFDEENSGADRLMTERCKERVNLAIAVNMMPGVRLRVTEGDEGHHADSLHY 120
|||||
DB 83 PDIIIFDEENSGADRLMTERCKERVNLAIAVNMMPGVRLRVTEGDEGHHADSLHY 142
|||||
QY 121 EGRALDITTSDRNRKYGLLARLAVBAGPDMVYTESRHHIVSVKADNSLAVRAGG 176
|||||
DB 143 EGRALDITTSDRNRKYGLLARLAVBAGPDMVYTESRHHIVSVKADNSLAVRAGG 198
|||||

RESULT 10

US-09-293-505-13
Sequence 13, Application US/09293505
Patent No. 6348575
GENERAL INFORMATION:
APPLICANT: de Sauvage, Frederic
APPLICANT: Carpenter, David A.
TITLE OF INVENTION: Patched-2
FILE REFERENCE: P1405R1
CURRENT APPLICATION NUMBER: US/09/293,505
CURRENT FILING DATE: 1999-04-15
EARLIER APPLICATION NUMBER: US 60/081,884
EARLIER FILING DATE: 1998-04-15
NUMBER OF SEQ ID NOS: 32
SEQ ID NO 13
LENGTH: 396
TYPE: PRT
ORGANISM: Mus musculus
US-09-293-505-13

Query Match 98.2%; Score 920; DB 3; Length 396;
Best Local Similarity 97.7%; Pred. No. 5.4e-102;
Matches 172; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGGCGPVGRRRYARKQLVPLLYKQFVGPVPTLGAAGPAGRGVARSERFRDLVNNY 60
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DB 23 CGGCGPVGRRRYARKQLVPLLYKQFVGPVPTLGAAGPAGRGVARSERFRDLVNNY 82
|||||
QY 61 PDIIIFDEENSGADRLMTERCKERVNLAIAVNMMPGVRLRVTEGDEGHHADSLHY 120
|||||
DB 83 PDIIIFDEENSGADRLMTERCKERVNLAIAVNMMPGVRLRVTEGDEGHHADSLHY 142
|||||
QY 121 EGRALDITTSDRNRKYGLLARLAVBAGPDMVYTESRHHIVSVKADNSLAVRAGG 176
|||||
DB 143 EGRALDITTSDRNRKYGLLARLAVBAGPDMVYTESRHHIVSVKADNSLAVRAGG 198
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RESULT 11

US-08-957-874-9
Sequence 9, Application US/08957874
Patent No. 6384192
GENERAL INFORMATION:
APPLICANT: Ingham, Phillip W.
APPLICANT: McKeon, Andrew P.
APPLICANT: Tabin, Clifford J.
TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing
TITLE OF INVENTION: Proteins and Uses Related Thereto
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSEE: POLY, HONG & ELIOT LLP
STREET: One Post Office Square
CITY: Boston
STATE: MA

COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII(text)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/957,874
FILING DATE: 20-OCT-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/462,386
FILING DATE: 5-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/435,093
FILING DATE: 4-MAY-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/356,060
FILING DATE: 14-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/176,427
FILING DATE: 30-DEC-1993
ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: HMV-006.09
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 832-1000
TELEFAX: (617) 832-7000
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 396 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-957-874-9

Query Match 98.2%; Score 920; DB 3; Length 396;
Best Local Similarity 97.7%; Pred. No. 5.4e-102;
Matches 172; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGGCGPVGRRRYARKQLVPLLYKQFVGPVPTLGAAGPAGRGVARSERFRDLVNNY 60
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DB 23 CGGCGPVGRRRYARKQLVPLLYKQFVGPVPTLGAAGPAGRGVARSERFRDLVNNY 82
|||||
QY 61 PDIIIFDEENSGADRLMTERCKERVNLAIAVNMMPGVRLRVTEGDEGHHADSLHY 120
|||||
DB 83 PDIIIFDEENSGADRLMTERCKERVNLAIAVNMMPGVRLRVTEGDEGHHADSLHY 142
|||||
QY 121 EGRALDITTSDRNRKYGLLARLAVBAGPDMVYTESRHHIVSVKADNSLAVRAGG 176
|||||
DB 143 EGRALDITTSDRNRKYGLLARLAVBAGPDMVYTESRHHIVSVKADNSLAVRAGG 198
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RESULT 12

US-09-325-256-18
Sequence 18, Application US/09325256
Patent No. 6444793
GENERAL INFORMATION:
APPLICANT: PERINSKY, R. BLAKE
APPLICANT: BAKER, DARREN P.
APPLICANT: WEN, DINGYI
APPLICANT: WILLIAMS, KEVIN P.
APPLICANT: GARGER, EILEEN A.
APPLICANT: TAYLOR, FREDERICK R.
APPLICANT: GALDES, ALPHONSE
APPLICANT: PORTER, JEFFREY
TITLE OF INVENTION: HYDROPHOBICALLY-MODIFIED PROTEIN COMPOSITIONS AND
METHODS
FILE REFERENCE: BIV-067.01
CURRENT APPLICATION NUMBER: US/09/325,256
CURRENT FILING DATE: 1999-06-03
PRIOR APPLICATION NUMBER: 60/099,800

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/ PRIOR FILING DATE: 1998-09-10
/ PRIOR APPLICATION NUMBER: 60/078,935
/ PRIOR FILING DATE: 1998-03-20
/ PRIOR APPLICATION NUMBER: 60/089,685
/ PRIOR FILING DATE: 1998-06-17
/ PRIOR APPLICATION NUMBER: 60/067,423
/ PRIOR FILING DATE: 1997-12-03
/ PRIOR APPLICATION NUMBER: PCT/US98/25676
/ PRIOR FILING DATE: 1998-12-03
/ NUMBER OF SEQ ID NOS: 31
/ SOFTWARE: Patentln Ver. 2.1
/ SEQ ID NO: 18
/ LENGTH: 396
/ TYPE: PRT
/ ORGANISM: Murine sp.
US-09-325-256-18

Query Match          98.2%; Score 920; DB 4; Length 396;
Best Local Similarity 97.7%; Pred. No. 5.4e-102;
Matches 172; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

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DB 23 CGGRCGVRGRRYARQVLPVLYKQFVGPVPERPTGASGPAEGRVARGSERPRDLPVNN 82
QY 61 PDIIFFDEENSGADRLMTRECKEKRVNALAIANNMMPGVRLRVTEGMDDEGHHADSLHY 120
DB 83 PDIIFFDEENSGADRLMTRECKEKRVNALAIANNMMPGVRLRVTEGMDDEGHHADSLHY 142
QY 121 EGRALDITTSDBRDNKYGILARLAVAGFDWVYYESRNHIHVSVKADNSLAVRAGG 176
DB 143 EGRALDITTSDBRDNKYGILARLAVAGFDWVYYESRNHIHVSVKADNSLAVRAGG 198

RESULT 13
US-09-639-695-9
/ Sequence 9, Application US/09639695
/ Patent No. 6576237
/ GENERAL INFORMATION:
/ APPLICANT: Ingham, Phillip W.
/ McMahon, Andrew P.
/ Tablin, Clifford J.
/ Bumcrot, David A.
/ Marti-Gorostiza, Elia
/ TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing
/ Proteins and Uses Related Thereto
/ NUMBER OF SEQUENCES: 62
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: FOLEY, HOAG & ELIOT LLP
/ STREET: One Post Office Square
/ CITY: Boston
/ STATE: MA
/ COUNTRY: USA
/ ZIP: 02109
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patentln Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/639,695
/ FILING DATE: 16-Aug-2000
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/435,093
/ FILING DATE: 4-MAY-1995
/ APPLICATION NUMBER: US 08/356,060
/ FILING DATE: 14-DEC-1994
/ APPLICATION NUMBER: US 08/176,427
/ FILING DATE: 30-DEC-1993
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Vincent, Matthew P.
/ REGISTRATION NUMBER: 36,709
/ REFERENCE/DOCKET NUMBER: HMV-006.05
```

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/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (617) 832-1000
/ TELEFAX: (617) 832-7000
/ INFORMATION FOR SEQ ID NO: 9:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 396 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-09-639-695-9

Query Match          98.2%; Score 920; DB 4; Length 396;
Best Local Similarity 97.7%; Pred. No. 5.4e-102;
Matches 172; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGGRCGVRGRRYARQVLPVLYKQFVGPVPERPTGASGPAEGRVARGSERPRDLPVNN 60
DB 23 CGGRCGVRGRRYARQVLPVLYKQFVGPVPERPTGASGPAEGRVARGSERPRDLPVNN 82
QY 61 PDIIFFDEENSGADRLMTRECKEKRVNALAIANNMMPGVRLRVTEGMDDEGHHADSLHY 120
DB 83 PDIIFFDEENSGADRLMTRECKEKRVNALAIANNMMPGVRLRVTEGMDDEGHHADSLHY 142
QY 121 EGRALDITTSDBRDNKYGILARLAVAGFDWVYYESRNHIHVSVKADNSLAVRAGG 176
DB 143 EGRALDITTSDBRDNKYGILARLAVAGFDWVYYESRNHIHVSVKADNSLAVRAGG 198

RESULT 14
US-09-448-188-9
/ Sequence 9, Application US/09448188
/ Patent No. 6607913
/ GENERAL INFORMATION:
/ APPLICANT: Ingham, Phillip W.
/ McMahon, Andrew P.
/ Tablin, Clifford J.
/ TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing
/ Proteins and Uses Related Thereto
/ NUMBER OF SEQUENCES: 48
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: FOLEY, HOAG & ELIOT LLP
/ STREET: One Post Office Square
/ CITY: Boston
/ STATE: MA
/ COUNTRY: USA
/ ZIP: 02109-2170
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ OPERATING SYSTEM: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patentln Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/448,188
/ FILING DATE: 23-No. 6607913-1999
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/462,386
/ FILING DATE: 05-JUN-1995
/ APPLICATION NUMBER: US 08/435,093
/ FILING DATE: 04-MAY-1995
/ APPLICATION NUMBER: US 08/356,060
/ FILING DATE: 14-DEC-1994
/ APPLICATION NUMBER: US 08/176,427
/ FILING DATE: 30-DEC-1993
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Vincent, Matthew P.
/ REGISTRATION NUMBER: 36,709
/ REFERENCE/DOCKET NUMBER: HMV-006.12
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 617-832-1000
/ TELEFAX: 617-832-7000
/ INFORMATION FOR SEQ ID NO: 9:
/ SEQUENCE CHARACTERISTICS:
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LENGTH: 396 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 9
US-09-448-188-9

Query Match 98.2%; Score 920; DB 4; Length 396;
Best Local Similarity 97.7%; Pred. No. 5.4e-102;
Matches 172; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGPGRGPVGRRRYARKQVLPVLYKQFVGPVPEPTLGAAGPAGRVARGSERFDDLVNNY 60
DB 23 CGPGRGPVGRRRYARKQVLPVLYKQFVGPVPEPTLGAAGPAGRVARGSERFDDLVNNY 82
QY 61 PDIIFFDEENSGADRLMTTERCKERVNALAIAVNMMPGVRLRYTEGMDDEGHHADSLHY 120
DB 83 PDIIFFDEENSGADRLMTTERCKERVNALAIAVNMMPGVRLRYTEGMDDEGHHADSLHY 142
QY 121 EGRALDITTSDDRNKYGILARLAVAGFDWVYYSRNHIHVSVKADNSLAVRAGG 176
DB 143 EGRALDITTSDDRNKYGILARLAVAGFDWVYYSRNHIHVSVKADNSLAVRAGG 198

RESULT 15
US-08-954-128-9
Sequence 9, Application US/08954128
Patent No. 6610656
GENERAL INFORMATION:
APPLICANT: Ingham, Phillip W.
APPLICANT: McMahon, Andrew P.
APPLICANT: Tablin, Clifford J.
TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing
NUMBER OF SEQUENCES: 48
CORRESPONDENCE ADDRESS:
ADDRESSEE: FOLEY, HOAG & ELIOT LLP
STREET: One Post Office Square
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109-2170
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/954,128
FILING DATE: 20-OCT-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/462,386
FILING DATE: 05-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/435,093
FILING DATE: 04-MAY-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/356,060
FILING DATE: 14-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/176,427
FILING DATE: 30-DEC-1993
ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: HMV-006.12
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-832-1000
TELEFAX: 617-832-7000
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 396 amino acids
TYPE: amino acid

TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-954-128-9

Query Match 98.2%; Score 920; DB 4; Length 396;
Best Local Similarity 97.7%; Pred. No. 5.4e-102;
Matches 172; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGPGRGPVGRRRYARKQVLPVLYKQFVGPVPEPTLGAAGPAGRVARGSERFDDLVNNY 60
DB 23 CGPGRGPVGRRRYARKQVLPVLYKQFVGPVPEPTLGAAGPAGRVARGSERFDDLVNNY 82
QY 61 PDIIFFDEENSGADRLMTTERCKERVNALAIAVNMMPGVRLRYTEGMDDEGHHADSLHY 120
DB 83 PDIIFFDEENSGADRLMTTERCKERVNALAIAVNMMPGVRLRYTEGMDDEGHHADSLHY 142
QY 121 EGRALDITTSDDRNKYGILARLAVAGFDWVYYSRNHIHVSVKADNSLAVRAGG 176
DB 143 EGRALDITTSDDRNKYGILARLAVAGFDWVYYSRNHIHVSVKADNSLAVRAGG 198

Search completed: February 16, 2005, 12:53:29
Job time: 44 secs

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